MANUFACTURERS' RECORD

A WEEKLY SOUTHERN INDUSTRIAL, RAILROAD AND FINANCIAL NEWSPAPER

Trade-Name Registered in the U.S. Patent Office

VOL. LVII. No. 25. }

BALTIMORE, JUNE 30, 1910

\$4.00 A YEAR. SINGLE COPIES, 15 CENTS.

Manufacturers' Record.

PUBLISHED EVERY THURSDAY BY THE MANUFACTURERS' RECORD PUBLISHING CO. BALTIMORE.

RICHARD H. EDMONDS, President. FRANK GOULD, Vice-President. VICTOR H. POWER, Treasurer. I. S. FIELD, Secretary.

RICHARD H. EDMONDS,

Editor and General Manager.

EDWARD INGLE, Managing Editor.

ALBERT PHENIS. General Staff Correspondent.

Branch Offices :

New Orleans-1012 Maison Blanche. New York-52 Broadway Eoston-643 Old South Building. Chicago-1116 Fisher Building. St. Louis-543 Century Building.

oscription, - - - - - - - - - - - - - - - - - - 41 a year (payable in advance) to United States, Mexico, Cuba, Porto Rico, Hawaii and the Philippines.

reign Countries (including Canada) in the Postal Union, \$6.50 a year.

[Entered at the Baltimore Postoffice as sec ond-class matter.1

BALTIMORE, JUNE 30, 1910.

COMPENSATION.

There is no cloud without its silver lining, no blizzard without its thaw, no scorcher without its blessing. The June sizzard brought about adjournment of Congress. Let us all unite in singing the long-meter doxology.

CHEER UP!

Rejoicing in limited circles over the fulfillment by Congress of an adminis trative legislative program is too vociferous to be genuine. It is surpassed only by the self-congratulation of a turhen at discovering that she has hatched out a brood of buzzards.

MARYLAND, MY MARYLAND.

Not the Maryland of the poet, not the martial Maryland appealing to the spirit of war, but the Maryland of matchless advantages; the Maryland of farm lands richer than the famed bluegrass region; the Maryland of mountain scenery not surpassed for beauty any where in America; the Maryland of rivers and bays rivaling the Hudson in charms; the Maryland of fertile soil, of rich lands yielding abundantly of wheat and corn and fruit and vegetables: the Maryland of a thousand charms, of which the world knows little-to this fair State the time for awakening to its own opportunities has come. Here is a region wonderfully blessed by nature; here are magnificent valleys where wheat fields stretch for mile after mile, apparently broken only by the dividing lines of farm ownership; here is a country remarkably free from the

gions-a land of very great manufacturing advantages, but pursuing the even tenor of its way without catching the full life of these days of stir and activity. With the spending of \$5,000, 000 by the State on road building now under way, with the great enlargement of railroad operations by the Baltimore & Ohio and the Western Maryland Railroad, with the construction of a great dock system and a vast sewerage sys tem at Baltimore and the enlargement of the water-works of this city at a cost of \$5,000,000, all Maryland should wake to new life and activity. Its own people do not begin to realize the beauty of their State nor its manifold advan-tages. Wake up, "Maryland, My Mary land," to greater things!

FOR A SANE FOURTH.

In protest against autocracy, and in preparation for self-rule under Law. the people of the United States celebrated the original Fourth of July. A Constitution was framed designed to limit the power both of the individual in office as a public servant and of the people acting in a mass. Perhaps the threatened insanity in the movement for a "sane Fourth" might be checked if the intelligence of the country undertake to curb the inclination of wouldbe autocracy to use the mob-mind in destroving the surviving elements of government by law regulated by the Constitution in the United States. That tendency is just as strong today as it was when our population numbered four millions, and in a population of ninety millions, covering half a continent, its opportunities to win back are greater than ever before. Thus is created a situation requiring not heedlessless about fundamental principles, if not of law, in hending government to meet new developments, but a strict regard for wise provisions for an orderly process in amending forms of government to assure its stability and to guarantee it as a safeguard of the rights and opportunities of the individual.

The essential feature of the Governent as established was the protection of the people from the mob-mind, by mob-mind being meant the sum total of mental action by any number of persons not thinking for themselves, but responding to any kind of suggestion from without. It had respect for the minority, whether that was a minority of one or a minority only one less than the majority. There was a mob-mind at times a century ago, but means for making it widespread and usable in promoting national political ambitions were comparatively limited. It was almost harmless. Men in widely separated communities had to do their thinking based upon knowledge and experience. Where they assembled in representative capacity, as in the Congress, the result of their deliberations was usually a fair expression of the intelligence of the country having respect for Law. Today the Congress is too often cyclones and the blizzards of other re- the arena for manifestation of fear of tilizer Co., Champion Lumber Co., W. A.

mob-mind, euphoniously styled "public opinion," and that fear, with its consequent abuse of power, is by no means confined to the legislative branch of the Government. Thence proceed all manner of evils, statutes appealing to the mob-mind of party politics, to the mob-mind of philanthropy, to the mob mind of education, to the mob-mind of race or the mob-mind of religiosity, executive appointments of commissions not provided for by law, legislative appropriations in the face of constitutional provisions, and judicial outgivings swayed by public clamor begotten of blind passion of the people or artificially and covertly nourished by interested selfishness. Once in a while some individual appears bold enough and un scrupulous enough to make himself the apparent embodiment of half a dozen different mob-minds, all of them antagonistic, if they but could realize it, and adroitly manipulating the combination of curses to further his own purposes

It is hard to recall a time when there were so many kinds of mob-minds in action in this country as now and so great a chance for them to be controlled by one master mind to the final undoing of the aim to have a government of Law instead of a government by hysteria. The occasion calls, therefore, for sobersidedness, for calm consideration of the menace confronting the peoplefor government by an individual playing upon and with the mob-mind is as great a menace to individual rights as can be imagined—and for systematic combating at every turn of the influences which make the mob-mind effective.

TO ADVERTISE MISSISSIPPI.

The wise suggestion made some weeks igo by Secretary L. E. Davis of the Natchez Chamber of Commerce, and so actively pushed by him with the cooperation of Governor Noel, that it was time for Mississippi to bestir itself in a general plan of attracting desirable immigration, took practical form last week in the organization of a State body with an immediate purpose of raising \$25,000 to give the State's resources the publicity that will attract investors money, muscle and mind. About \$5000 was raised at the Jackson, meeting, \$2000 of which being the result of bidding for the privilege of naming the first life member. That I. C. Euochs of the Enochs Lumber Co. of Jackson led in the bidding and named President Hardy of the State Agricultural and Mechanical College as the first life member was a pleasant omen of the work that the body should accomplish, emphasized by sums ranging from \$500 to \$100 paid for life membership by Edward Hines of the Hines Lumber Co., the Great Southern Lumber Co., Lampton Realty Co., H. Ruston Lumber Co., Gulfport Grocery Co., Interstate Trust & Banking Co., New Orleans; Natchez Packing Co., Mississippi Title & Abstract Co., Gulfport; Meridian FerRobinson Company, Liberty; Natchez Canning & Manufacturing Co., A. G. Little Lumber Co., Poll Stock Co., Hazlehurst Lumber Co., Newman Lumber Co. and Paul H. Saunders, Laurel.

The convention pledged itself to welcome all industrious, law-abiding and progressive immigrants, especially those from other parts of the United States. and to give fair treatment to capital: it urged restrictions by Congress upon the immigration to this country of ignorant, thriftless and otherwise undesirable peoples from the South of Europe and Eastern Asia, and urged the abolition of the division in the Federal bureau of immigration undertaking to distribute immigrants.

The work of this Mississippi organization has been laid out on practical and safe lines. It remains for the progressive people of Mississippi to see that the plan be carried out to the advancement of their State.

POSSIBILITIES THAT "TAX THE IMAGINATION."

Dr. C. Willard Hayes, chief geologist of the United States Geological Survey, in an illuminating discussion of the mineral resources of Louisiana and the possibilities for practically unlimited development, published in this issue SAVS:

It is a fundamental, economic principle that no region is enriched or in any way permanently benefited by producing and exporting raw mate-By no other means can a region so quickly and completely impoverish itself. The wise policy, therefore, is to utilize the raw materials of a region in the region where they are

Dr. Haves points out that in recent vears Alabama, Georgia, Tennessee and Arkansas have exported bauxite valued at the mines at about \$2,000,000 at the most, but which, turned into the finished product in Northern factories, advanced in value to \$46,000,000, which difference between the value of raw material and of manufactured product represents freight on raw material, labor, plant, power and profit.

In this striking presentation by Dr. Hayes is found a lesson of great importance to the South. This section has been a producer of raw materials. It has shipped its lumber by billions of feet to Europe and to the North and West, much of it to be returned in the shape of furniture and wagons and buggies, cars and implements of many kinds. It has shipped a large proportion of its pig-iron to the North and West and brought back annually probably 2,000,000 tons of steel and millions of dollars' worth of machinery, every ton of which ought to be produced in the South. It has shipped in its raw state 80 per cent. or more of its cotton crop, getting but a small profit on the production of this great raw material, and anqually buying millions of dollars' worth of cotton goods from New England and hundred million or more dollars' worth of corn and bacon and agricultural implements and mules from the

West with which to grow its cotton. It has drained its soil of vitality, which, but for the use of fertilizers, would have been in many places exhausted, to produce cotton to be shipped elsewhere. losing in the deterioration of its soil almost as much, in many cases, as it made on the cotton, and certainly in times of low price of cotton actually losing on every pound it shipped way. It is grinding up vast forests into wood pulp, much of which will come back to it in the shape of newspapers, magazines and books, all the profit between the raw material and the finished product going elsewhere, while the South is losing the value of its forests in this work of destruction. To a large extent its whole system of economic develop ment has been so centered around the production of raw material for shipment elsewhere that it is a marvel that it is able to show the progress made in the last 10 or 15 years. In many respects it has, just as Dr. Hayes says of any region which ships its raw material, "impoverished itself." It even produced people and sent two and a half millions of them between 1865 and 1900 to the development of other sections, thus making of its people merely a raw material for the enrichment of other regions.

The words of Dr. Hayes should be pondered by every man in the South. His statements should be studied and the lesson taught learned. Dealing specifically with Louisiana and the conditions prevailing in that State, he says:

From the indications afforded by the natural-gas development of the past 25 years it may safely be stated that Louisiana has the largest gas field now known anywhere in the orld. The enormous industrial possibilities the possession of this gas presents to the people of Louisiana tax the in

"The enormous industrial possibilities" which the possession of so many raw materials, in such vast quantity and so easily developed, present to the people of the whole South may very well, as Dr. Haves said of Louisiana. "tax the imagination."

Coming, as these statements do, with the full weight of the United States Geological Survey back of them, the facts presented by Dr. Hayes should command world-wide attention. If the United States Geological Survey should publish such a remarkable array of facts about the resources of the Pacific Coast as Dr. Hayes has given of Louisiana, the railroads and the commer cial organizations of that section would flood Europe and America with millions of copies. What will the railroads and the people of Louisiana do with this great paper of Dr. Hayes? Will they send it broadcast through this country and Europe?

WORLD INVITED TO THE SOUTH.

Let me again invite to Dixle the sturdy of the North and West who hav gone to Canada, or contemplate a chang domicile, and all good immigrants. South wishes them and will welcome t welcome them with open arms. My own Louisiana will gladly receive a million of such people as are gladly receive a million of such people as are exiling themselves from the best country on earth and the dearest flag that ever floated over free men. The South has fields for corn and wheat and the cereals peculiarly classed as Northern. She has fields for rice, cune and cotton. She has lumber and minerals for the nation. She has waters for power and upon which to float the richest argosies. She has a climate far superior to Canada, and is as healthy a land as any in the Union. Come, then, to the South Land the Union. Come, then, to the South Land and make it your home; come to Louisiana

That was the peroration of a speech which the editor of the Congressional Record entitled "On to Dixie." It was the conclusion of an invitation to the vertising in your publication.

world to come to the South, extended by Congressman Joseph E. Ransdell of Louisiana, in one of the best advertisements of the South ever uttered in the National House of Representatives. Taking as his text the drift of population from the farm to the city as a contributor to the increased cost of living, Congressman Ransdell made a fine exposition of the opportunities for sucess and prosperity in agriculture that the South presents to the millions. He dwelt upon the forage crops, the corn, the wheat, the cotton, the sugar cane, the rice, the climate and the resources of the South generally, and the agriculture, mineral resources and timber wealth of Louisiana especially.

An interesting feature of his speech was the fact that he managed to elicit from representatives of other parts of the country direct questions as to particular advantages that the South pos ses. Included in his questioners were Representatives William E. Cox of Indiana, Henry M. Goldfogle of New York, Joseph A. Goulden of New York, J. Hampton Moore of Pennsylvania and Ralph D. Cole of Ohio. Typical of this feature of the address is the following

Mr. Goldfogle-Then, there is ample unity for laborers and mechanics, and thosthat answer to the general description of wage-earners, to go down there and earn a

Mr. Ransdell of Louisiana—Unquestionably. Mr. Goldfogle—And you would welcome

Mr. Ransdell of Louisiana-And we would me them gladly. We need a gre of them. Why, sir, the last Feder s showed the density of the populati We need In the State of Texas as something like 11.6 per square mile, in Louisiana 30.4, in Geor gla 37.6, and in Arkansas 24.7 per square nile, while of New York, your State, it was 152.6, in New Jersey 250.3, in Ohio 102, in Pennsylvania 140.1, and in Massachusetts The South has not 348.9 per square mile. 348.9 per square mile. The South has not been peopled yet; it is a new land. The best opportunities of the North and the West have been seized and developed; but such is not true of the South, which still offers exceptional inducements in any line ss that a good, industrious man

Another excursus was suggested by Congressman Ransdell's allusion death rates. It was as follows:

Mr. Goulden-Will the gentleman permit

Mr. Ransdell of Louisiana-With plea Mr. Goulden-As an insurance man for 40 ears, to my personal knowledge up to 25 years ago all the leading life-insurance com-panies of the country declined to write risks in the Southern towns and cities, and then only when they were placed in a distinct class. For the last 20 years that has al! class. For the last 20 years that has been done away with, and today life-ins ance companies of the United States wi as freely and upon the same conditions Southern States as they do elsewhere. T is as it should be, and I congratulate nds in the South on this happy condition

gentleman for the statement.

There were other incidents of the kind, making this send-off for the South really a debate, fastening the attention of the members of Congress upon its important subject-matter, and in that differing markedly from a set address, which is so often the occasion for a majority of members to fade away to the committee-rooms or elsewhere. ought to be an effective influence for immigration to the South.

F. Trump, Jr., of the Trump Manufacturing Company, hydraulic engineers, etc., Springfield, O., writes to the Manufacturers' Record, regarding a recent sale in Alabama, says:

We think that you will be pleased to learn

FOR SOUTHERN WATERWAYS.

The river and harbor bill as it passed Congress appropriates \$41,329,113.50 directly for river and harbor improvement and \$10,618,605 for continuing contracts-a total of \$51,947,718.50. Of the total \$16,046,468 are for waterways in the South, the appropriations by States being as follows:

State.	Appropriation
Alabama	. \$2,063,000
Arkansas	. 751,400
District of Columbia	410,000
Florida	
Georgia	. 1.063,700
Kentucky	
Louisiana	
Maryland	
Mississippi	
North Carolina	1,260,051
South Carolina	
Tennessee	
Texas	
Virginia	
West Virginia	
Total	. \$16,046,468

The total for the South does not in clude \$3.583,755 for the Mississippi River as a whole and \$1,050,000 for the waterway from the Lakes to the Gulf, both of which items are of material concern to the South, as are, indeed, also the Ohio River improvements, for which \$5,325,000 are appropriated, and the lower Missouri River improvements, for which \$1,250,000 are appropriated. The improvements of both the Ohio and Missouri rivers have a direct bearing upon the improvement of the Missis sippi River, and that concerns immediately five great Southern States. although the total direct appropriations for the South may not seem proportionate to the many important waterway projects that should be carried out there, the river and harbor bill as a whole is fair to the South.

Of greater interest, perhaps, than the question of the amount to be expended in this section or that is the announcement made by the National River and Harbors Congress, which has advocated "a policy, not a project," that this bill is so framed as to make imperative a similar measure at the next session of Congress and thereby establish the principle of an annual rivers and harbors bill, while the total appropriation this year is practically what the National Rivers and Harbors Congress has been urging as an annual appropriation.

DEMAGOGY REBUKED.

Demagogy of the rankest sort attempted to fasten upon the sundry civil appropriation bill in the closing hours the Congress a provision that would have compelled a President having re gard for the Constitution to veto the In the House during the framing bill. of the bill an amendment was made rendering labor organizations immune to the operation of the fund authorized by the bill for the prosecution of infractions of the Sherman anti-trust law. The amendment was cut out in the Sen ate. Attempt to re-embody it in conference was defeated, it is generally recognized, by the personal influence of President Taft. In reply to a protest from "labor leader" the President telegraphed:

Your dispatch of June 22 received, in which you say that press reports today indicate that I favor using the people's money to ecute labor in their efforts to better con ditions, and you protest against such a policy. I presume you refer to the proposition now before Congress that money appropriated for the fiscal year 1911 for enforcement of anti-trust laws and acts to regulate com merce shall no part of it be expended in the prosecution of conspiracies in the nature of boycotts to increase wages, shorten hours or better the condition of labor. The Su-preme Court has decided that such a boycott is a violation of the Sherman anti-trust law. and this proposal is an attempt to withhold the means of prosecuting that law when it is violated by a particular class thus to be ade privileged.

made privileged.

I am entirely opposed to such class legis lation. If it were proposed to amend the language of the Sherman anti-trust law itself so as somewhat to narrow its scope, that would present a proper question for consideration; but so long as the present anti-trust law remains upon the statutebook an attempt to modify its enfo so as to render immune any particular class of citizens, rich or poor, employers or em-ployes, is improper legislation, and, in my judgment, ought to be opposed by brotherhood. The laboring man and man and the stand him, asks trades-unionist, if I understand him, asks only equality before the law. Class legislation and unequal privilege, though expressly in his favor, will in the end work no benefit to him or to society.

There is sound doctrine in all of that, which it is a pity that quite a number of State Legislatures could not have followed in framing anti-trust legislation and other sociological statutes in which class exemptions have been made. Such legislation could not stand for a moment could it be reviewed by courts controlled by knowledge and respect for law rather than by a conviction that in some way or other they have come to be a sort of extra-legislative bodies charged with the necessity of interpreting laws as they may think will benefit the public.

No law is right or just that exempts from its provisions any class that it is supposed to comprehend in its general principle, whether that class be farmers, laborers, merchants, railroads, manufacturers or financiers. If the President had said: "I am entirely opposed to all class legislation," instead of, "I am opposed to such class legislation. his telegram would have been stronger. But the incident is enough to be a starting point for a return in national legislation to a disregard for class influences or special interests and to a determination to have always in mind the greatest good to the greatest number, to-gether with the limitation of opportunity for executive intrusion into the legislative field.

COTTON BILLS OF LADING.

Hon, John Sharp Williams of Mississippi, in commenting on the editorial in the Manufacturers' Record of June 16, in which the position was taken that the railroads of the South should guarantee the correctness of their bills of lading in order to make it feasible for the cotton crop to be handled without serious delays, writes:

Hurrah for the Manufacturers' Record

This is the sentiment expressed by others. It is the sentiment of commen dation of the position taken by the MANUFACTURERS' RECORD which the railroads of the South will be compelled to recognize. It ought not to be necessary for cotton shippers or for banks advancing on bills of lading to bear the ost of the guarantee of the correctness of the bill of lading. It is a serious reflection upon the judgment of railroad officials, who, by making this necessary, would say to the public that a contract (for a bill of lading is a contract) signed by them is not good at its face value, and that it can only be a cepted on the guarantee of somebody else that it means what it says. Justice to the public demands that the railroads should protect their own bills of lading. Any failure to do so is a reflection on railroad management, and would indicate that, unless driven to do so by law. the railroads are not willing to give the public what it has a right to expect.

In its issue of June 16 the MANUFAC TURERS' RECORD called upon the railroads of the South to take this stand 1910.

nd the

tatute-

r class or em-in my

d the

benefit

that.

unber

have

tes in

made.

for a

courts

ct for

nat in

to be

laws

t the

empts

meral

farm-

man-

Presi-

of. "I

tion.

start-

legis-

ences

mina

great-r, to-

G.

issis

ial in

ie 16,

that

guar

e for

thout

onn.

d by

men-

the

ed to

ssary

ad-

tness

rious

at a

cont its

e ac-

stice

oads

ding.

n on

indi

law

the

rail

voluntarily. It suggested that some leading Southern cotton-handling road should take the initiative by announcing to the public that it would absolutely guarantee the correctness of every bill of lading issued by it, so that when a man paid a draft with a bill of lading attached for one bale of cotton or a thousand bales of cotton he would know that he would get exactly what the bill of lading called for. The railroad that takes this position and does it promptly will render to the public what the public has a right to demand of it and at the same time will get great credit unto itself. Unless this method is adopted the railroads will arouse public sentiment, and every cotton grower and every cotton shipper will feel an in-creasing hostility to railroads every time a bale of cotton is shipped under any other system.

If bonding companies should undertake to do for the public what the railroads themselves should do, even though the cost were but five cents a bale, it would be a reflection upon the management of the railroads and would do them harm. If bonding companies are necessary in an emergency of this kind, they should be employed not by the banks nor the cotton shippers, but by the railroads to guarantee the honesty of their own agents and the correctness of their own bills of lading.

The first bale of new cotton received a few days ago points to the time when in September and October hundreds of thousands of bales will be crowding to tne market, and unless promptly moved by some such method as we have suggested on the part of the railroads the inevitable congestion will help to depress the price, and the railroads will receive even more blame than they will deserve for any decline in prices due to delays at shipping points.

ZEPPELIN, THE PRACTICAL,

Men of the earth, earthy, continue to talk of war; they sink millions of doilars in steel navies; they prate platitudes of peace at Mohonk conferences; they circulate pamphlets galore from Boston and constitute Hague and vague tribunals. Meantime, Count Zeppelin goes on perfecting his dirigible. Once in a while disaster comes. But he is not appalled, and after each setback he takes a longer and more successful flight. His is a faith that may not remove mountains, but it makes removal unnecessary. It rises far above the mountains. His invention is not terrestrial; it is celestial. It carries the practical message of peace across the skv.

FREE DENATURED ALCOHOL: MORAL.

Students of the campaign responsible for the passage by Congress in the early summer of 1906 of the so-called "Free Denatured Alcohol Bill" are not surprised at the announcement that on July 1 the division of the Treasury Department created to administer the act will be abolished as useless. As early as August 2, 1906, the Manufacturers' RECORD, commenting upon the changes made in the bill as it passed through the Senate, suggested that the act would be found in effect to be exactly contrary to the intent of the great mass of people who had been led to support the bill as it was introduced in the Congress. At that time we said:

Questions are being raised whether, after all, the act will accomplish the purpose of the great mass of men who favored the movement for free denatured alcohol; whether, after all, it will guarantee a fuel

at a reasonable price, and whether the act as passed may not become the means of thwarting the very intent of the great ma-jority of men who were induced to further the movement leading to the act.

We referred to efforts at discovering the real source of the campaign for free denatured alcohol, with its mass of literature circulated broadcast at much expense, with its petitions poured into Congress, with the rumors of opposition and with the sudden withdrawal of opposition after the country had been led to persuade itself that the measure was a good thing. We added:

On its face and primarily it was and still is a good thing, but a consideration of a debate in the Senate upon the final passage of the bill and of the amendments to it made of the bill and of the amendments to it made by the Senate reveals certain imperfections, from the viewpoint of those who have ac-cepted the movement in good faith, which suggest the possibility of the act being used not as a means of assuring a cheap, safe and convenient fuel for power, light and heat, but as a lever to raise a vast monopoly in fuel—a monopoly not confined to the United States, but of a world-wide poten-tiality.

Pointing to a significant change made in the bill by the Senate, we said:

In that change there seems to be a possi-bility that not merely may the number of establishments for the manufacture of alco-hol not be largely increased, as was the ex-pectation of persons who favored the meas-ure as an opportunity for the utilization of a pectation of persons who havored the measure as an opportunity for the utilization of a great bulk of vegetable products in the manufacture of alcohol, but even that the number of such establishments may be reduced, or may easily be controlled in a way that might prevent the fall in the price of alcohol expected from the removal of the tax.

• • • In the rather short debate on that bill in the Senate there were intimations that the Senate amendments might act toward the creation of a fuel monopoly or the strengthening of a tendency toward a fuel monopoly. Assurances of an absence of such intent, even though the assurances were made in good faith, cannot be depended upon to prevent such a monopoly if judicial interpretation of the rather crude law shows that the intent went astray. the intent went astray.

The expectation of the MANUFACTUR ERS' RECORD, which was strengthened by the publication of the minute regulations of the Internal Revenue Office as to denatured alcohol, seems to be carried out in the failure of the act to induce results on the line of the original purpose of genuine advocates of free denatured alcohol.

The moral in the incident, which is applicable to many measures finally becoming law in the rush of the closing hours of the Congress, is that the proceedings should then be more closely scrutinized than at any other time, inasmuch as changes may be adroitly made in a measure that hardly become known to the public most affected until judicial interpretation of them reveal their radical divergencies from the supposed in-

THE BIRMINGHAM LEDGER.

The purchase by Mr. Robert G. Hiden of one-tenth interest in the Birmingham Ledger and his union with the paper as associate editor is in line with the progressive policy which has made that news paper one of the substantial institutions of the Birmingham district. The *Ledger* was acquired 10 years ago by Messrs. James J. Smith and George M. Cruikshank, and the sale of a tenth interest to Mr. Hiden and of another one-tenth to Messrs. Thomas B. Smith and Anthony A. Smith was the first that has since been made. Mr. Hiden has been identified with journalism at Birmingham for some years, and Mr. Thomas B. Smith and Mr. Anthony A. Smith have long been connected with the Ledger as secretary and superintendent, respectively.

It is estimated that orange trees will be growing upon 75,000 acres of land in

Conserving Mineral Resources of Louisiana.

By C. WILLARD HAYES, Chief Geologist, United States Geological Survey.

It is a most significant and encouraging These favorable conditions are found in fact that the American people within the Louisiana and in Central Oklahoma, but past few years have become awake to the it would be worse than useless to search urgent importance of the conservation of for oil in the closely folded rocks of Cenwhich is much more complete in some parts of the country than in others, marks the termination of the reckless and extravagant exploitation of these resources ologic investigation of a region, therefore, which has characterized the country as a whole for the past century. It promises

Like most other articles of faith, belief in conservation means many widely diverse things to different men. A clear definition of the term, a formulation of our creed, is therefore a necessary preliminary to the discussion.

Disregarding the views of the extremists and visionaries, we may define onservation as "utilization with a maximum efficiency and a minimum waste. Please note that I lay stress upon "utilization," for I regard it as an essential feature of any form of practicable con servation. To conserve resources for future generations at a sacrifice of the interests of the present generation is not only unwise, but it is wholly impractical and visionary.

It will be readily recognized that natural resources from the viewpoint of conservation as thus defined admit of classification into several widely distinct groups:

Water-power, which is conserved only by utilization, and is best conserved

when it is most fully developed and used.
(2) Forests and soils, which are renewed, though slowly, and are conserved only by use, but are liable to serious waste through improper use.

(3) Minerals, which, once used, are ever renewed, but are gone forever. It is only the third group of natural resources-the minerals-which comes into the present discussion.

Before discussing the various minerals in their relation to conservation it is desirable to call attention to certain essen tial preliminary considerations. In order that a State or a community may adopt a rational conservation policy with reference to its minerals it is essential that it should have exact and reasonably complete information as to the location character, quantity and value of the mineral deposits to be conserved; it must have information as to the uses to which the minerals can be put and the relative value of the various uses in order that the highest efficiency may be secured; finally, it must have information as to the demand and markets for the various products which the mineral deposits will yield and the methods of getting the products to market in competition with those from other localities.

The discussion in detail of all or any ne of these matters is clearly impracticable here, and I can merely call your attention to a few salient facts.

Mineral deposits of various kinds occur in certain definite geological associations, and they are never found apart from these associations. For example, the accumulation of oil and gas in sufficient quantity to be commercially valuable is dependent on conditions found only in regions where the strata occupy approximately the original horizontal position in which they were laid down, and are not broken by folds and faults or metamorphosed by the intrusion of great masses of igneous rocks.

*An address at Baton Rouge by invitation of the Louisiana General Assembly.

our natural resources. This awakening, trai Arkansas. On the other hand, veins of gold and copper are found in crystalline rocks, and the search for them in Louisiana would be equally fruitless. Geserves to indicate the areas within which certain mineral deposits may be expected a saner and more permanent industrial to occur and within which certain others development for the future. need not be looked for.

In order to appreciate the character and distribution of the mineral resources of this region an outline of its geologic fea-tures must be kept in mind. The most significant feature is a line extending diagonally from northeast to southwest across Arkansas, across the southwest corner of Oklahoma and thence into Texas. This line is the inner boundary of the Gulf coastal plain. To the northwest of this boundary the rocks which form the land surface consist of hard sandstone, limestone, shales, beds of flint and masses of granite. The resistant sandstone and flint form the ridges which characterize the Ozark and Ouachita highlands, while upon the less resistant limestones and shales the valleys have been developed by ong-continued erosion. To the south of this boundary the rocks are very much younger and generally less indurated. They consist of sands and clays which were deposited by the waters of the Gulf when it extended toward the northwest far beyond its present limits and to the north up to the Mississippi embayment to Southern Illinois.

The two distinct and widely different geologic provinces which I have indicated—the Ozark and Ouachita highlands on the north and the Gulf coastal plain on the south-furnish equally distinct classes of mineral resources.

What, now, are the economically valuable minerals of Louisiana and of the region directly tributary to this State? A mere enumeration makes a formidable list. In the coastal plain are found oil and gas, sulphur, salt, bauxite (which is the ore of aluminum), iron ore, gypsum, limestone and chalk, which, with clay, form the materials for Portland cement; clays in great variety, lignite and glass sand. In the Ozark and Ouachita highlands there is high-grade coal, manganese

phosphate, granite, novaculite and slate. Considered with reference to conservation, these minerals fell into two distinct classes-first, those which, although they occur in very large quantities, still are exhaustible, and, second, those which are inexhaustible. In the first class of ex haustible minerals are the fuels-gas, oil, coal and lignite; the metalliferous ores of iron, aluminum and manganese, and sulphur and phosphate.

In the second class of inexhaustible minerals are salt, gypsum, glass sand. limestone and chalk, clay and, in general, the minerals used as structural materials. It is obviously only the minerals of the first or exhaustible class which require consideration in this connection. Of these the most important from the conservation standpoint is natural gas; first, because it is the ideal fuel and source of power, and both heat and power are of fundamental importance in the utilization of practically all the other mineral resources enumerated above, and, second, because natural gas, by reason of its unstable and fugitive nature, is the mineral most likely to be seriously wasted and to be first exhausted.

From the indications afforded by the

natural-gas development of the past 25 years it may safely be stated that Louisiana has the largest gas field now known anywhere in the world. The enormous industrial possibilities which the possession of this gas present to the people of Louisiana tax the imagination. But the intelligent and economical utilization of this gas is the key to the advantageous utilization of the other mineral resources. If properly utilized, the industrial pre eminence of the State will be so firmly established that it can never be shaken.

How can this end be secured?

In the first place, it is a fundamental economic principle that no region is enriched or in any way permently benefited by producing and exporting raw materials. By no other means can a region so quickly and completely impoverish it-The wise policy, therefore, is to utilize the raw materials of a region in the region where they are produced.

Let me give a concrete illustration of this economic principle: The mineral bauxite is found in commercial quantities in the United States only in the South This mineral forms the basis of three important industries-first, the manufacture of metallic aluminum; second, the manufacture of alum, and, third, the manufacture of alundum, or artificial corundum, which is used as an abrasive as a substitute for emery. Since the mining of these deposits began in 1889 up to the close of 1907 about 540,000 long tons of bauxite have been produced in Alabama, Georgia, Tennessee and Arkansas, having a value at the mines of \$2,000,000. During the same period the value of the aluminum, alum and alundum produced in the United States has been about \$60,000,-000. Twenty per cent. of this has been produced from imported French ores and the remainder from Southern ores. other words, a product having a value of \$2,000,000 at the mines has been converted into products valued at \$48,000,-000 in their manufactured state. ering the bauxite which is used in the manufacture of metallic aluminum, we find that one ton of ore, having a value at the mines of \$4, yields metal valued at about \$178. This difference of \$46,000. 000 between the value of raw material and of manufactured product represents freight on raw material, labor, plant, power and profit.

If the finished product had been pro duced near the source of the raw material, the item of freight would have been practically eliminated, the items of labor and plant would certainly not have been increased, and the item of power would have been reduced if the available and unused natural gas or water-powers of the South had been employed. It follows therefore, either that the finished product would have been greatly cheapened or that the profit on capital invested would have been increased. Probably both results would have followed, and, more important than either, the South would now have a series of established industries instead of worked-out and abandoned baux-

Still further, the establishment of industries near the supply of raw materials enables economies to be introduced which are otherwise impossible. For example, the manufacturers of alum in Illinois and Pennsylvania demand a certain grade of ore containing a minimum of impurities, since the lower grades will not bear the cost of transportation. Thus the silica must run below 10 per cent., since silica, while not otherwise injurious, is so much dead weight, on which freight must be paid. But there are large amounts of ore in most of the deposits which contain

These ores are, therefore, not marketable under present conditions, and they are left in the mine or thrown upon the dump. If, on the other hand, the plant for the manufacture of alum were located near the mines, this low-grade or could be utilized and the average cost of mining greatly cheapened. Such location would be further highly advantageous as affording a demand for the sulphuric acid, which can be made cheaply as a by-product from the roasting of sulphide copper, ead and zinc ores produced in the imp diate vicinity of the bauxite deposits. In some cases, as at Ducktown, Tenn., the copper producers have been compelled to convert their sulphur fumes into sulphuric acid even in the absence of a market for this valuable product. Still further, there is a large and growing demand in the outh for alum for the paper trade and for sewerage purification, and this alum must now bear double freight-first on the raw materials to the manufacturer, second, on the manufactured product back to the locality of its origin

I would not be understood as advocating any measure which would prevent the natural gas of Louisiana from being ex ported. Better far that it should be piped to St. Louis and Kansas City and used than that it should be permitted to pour out into the air and become a total loss as it is now doing. But my contention is that the people of Louisiana should receive the full benefit of this natural resource, and that by sending it to a distant narket they would receive not one-hundredth part of the benefits which would accrue from its local utilization.

Louisiana has always been an agricultural State, and it is extremely difficult to change the trend of a people's thought and activities. Nature has here been so prodigal of soil and climate that you have not been driven by hard necessity to the more difficult and complicated sources of wealth in mining and manufacturing. It is, therefore, necessary that a campaign of education should be carried on to impress the importance of diversified industries as a basis for genuine and lasting prosperity.

I am informed that the boll-weevil in parts of the South is bringing about a more diversified agriculture, and is thus proving a blessing in disguise. But this diversification can only reach its fullest development in contact with other industries which will absorb the varied products of the soil without the tax of transportation to distant markets. It is, therefore, quite as much to the advantage of the farmer that local industries should be developed as it is to the manufacturer or the man who has mineral deposits awaiting development. And permit me to say, in pass ing, that it is a profound mistake to suppose that the development of varied industries serves only our material welfare. On the contrary, industrial develops together with the study and application of science, which is a necessary accom paniment, are the surest and most efficient means for the development of a more cultured society, of high civic ideals, of a bet-

To insure the introduction and profit able development of industries for the utilization of these resources foreign capi tal is needed, but a greater need is for the skill and experience which have built up successful industries elsewhere. Both the capital and the skill will be forthcoming in abundance if the opportunities are adequately presented and if they are assured of a genuine welcome and proper protec-Mere toleration or a half-hearted welcome will never bring the industries even with the exceptional inducements more than the allowable percentage of which natural conditions offer. The human element thus becomes the determining factor in the problem.

Since the utilization of the natural gas is of such vital importance to the industrial development of Louisiana, the waste of this resource becomes a matter of public concern and a proper field for legislative control. If a man owns a 40-acre tract of coal land, it is little, if any, concern to his neighbors or to the public generally what he does with it-whether he ses to leave the coal in the ground or to mine it economically or wastefully. So long as he remains upon his own land, what he does is wholly his own concern. If, on the other hand, he owns 40 acres in a gas field, the case is entirely different He may drill a well, of which he loses control through carelessness, ignorance or inexperience, so that it not only destroys the value of his own property, but that of his neighbors as well. Thus the entire community may be injured through the acts of a single individual.

How large an area a single gas well may be able to drain is not definitely known, and it doubtless varies with the character of the material in which the gas occurs, but it is highly probable that under certain conditions a single wild well may exhaust many square miles and greatly reduce the pressure over a much larger Under such conditions the interests of the community are superior to the rights of the individual, and it is clearly the duty of the State to place restric tions upon the liberty of the individual which shall reduce to a minimum the danger of public injury. Not even the most strenuous advocate of individual liberty would contend that any owner of a city house should be permitted to carry on his business in such a way as to almost certainly set fire to his house. Neither should a man be permitted to drill a well in a known gas field in such a way as to almost certainly produce a wild nor, after a well is drilled and under con trol, to allow the gas to escape simply because there is no immediate market or means of utilizing it. This is by no means a new and untried field of legislation, for other States have found practicable means of meeting the situation, generally, it is true, after most of the dan has been done, and the experience of these States is readily available.

In this connection it is extremely important that legislation should be framed upon broad lines and should be fair to all interests involved. It would be unfortunate if any industry should find itself hampered by a multitude of petty and annoying restrictions or the arbitrary exactions of an irresponsible official. confident that the oil men, for example, will be found entirely willing to accept the supervision and regulation of th operations which are clearly in the public interest, and that they will heartily cooperate in the enforcement of a wisely framed law; but only irritation, evasion and industrial disaster will result from unreasonable and unfair restrictions

I understand that the question of regu lating the disposal of salt water from the oil wells is under consideration at present. Here the interests of the oil operators and of the rice planters seem to be in conflict. This impresses me as a case where more facts are needed by the lawmakers before action is taken which might be both wholly unnecessary for the protection of the planters and highly disastrous to the oil industry.

Every modern city maintains at large expense a fire department for suppres of the occasional accidental conflagration On precisely the same grounds the State is amply justified in making the expenditure necessary for closing wild wells.

Both are expenditures for the protection of the innocent public Fairst loss through the crime, carelessness or indifference of the individual.

Legal remedies for the prevention of waste are to be regarded only as emerg measures, useful at first to control the situation until the necessary public opinion can be developed and afterwards for the control of the small percentage of operators who are too selfish and shortsighted to heed public opinion. The real and permanently effective control must come through the operation of economic -through making the gas so valuable that no operator can afford to waste it and no community can afford to permit waste to continue. In other words, conservation must have an economic basis.

In this connection the history of natiral-gas development in the United States is instructive. Its discovery has in every case been incidental to the search for oil and it has always been at first regarded s an unmitigated nuisance by the oil driller. For many years in the exploitation of the great Annalachian oil fields in Pennsylvania and West Virginia it was permitted to go to waste until its enormous industrial value was discovered. Anyone who has passed through the oil fields of Pennsylvania and West Virginia will recall the great flaring torches which burned night and day for years in that region. Millions of tons of the most perfect fuel in existence were thus wasted before means were devised for its utilization. Now, however, an intricate system of pipes reaches out over this region, and from every well that will yield an appre ciable amount the gas is pumped out and turned into the great arteries which furnish a supply of fuel and power to the manifold industrial establishments Western Pennsylvania and Eastern Ohio. Moreover, additional supplies are being sought through the drilling of new wells, and the search for gas is as eager as it has ever been for oil. This notable change has been brought about in part by legislation, but chiefly by intelligent coeration between the large gas companies and the oil producers, induced by the decreasing quantity and increasing value of

In 1885-86 the great gas fields of Ohio and Indiana were discovered, and the same disgraceful history was repeated. First, there was unchecked waste, then extravagant use, with the belief that the supply was inexhaustible; finally, came the recognition of the unwelcome fact that the supply was strictly limited, and with it economical utilization and development under wise legal regulations.

A few years later the Kansas-Oklahoma fields were discovered, and here the same history was in a measure repeated, although the value of the gas was more promptly appreciated and the industrial development was correspondingly more rapid.

in for wh

eo ur m:

M

the

tra

In all of these fields, except Oklahoma, the maximum yield has probably been passed, but the industries which were es tablished by reason of the exceptional inducements offered by the abundant supply of cheap fuel and powers remain as permanent sources of wealth to the communities which were sufficiently energetic to take advantage of their opportunities.

It would seem as though the less tained in the history of these gas fields had been written so large that "he who runs may read," and that there is scant excuse for any community to make the same mistake so often made under similar conditions elsewhere.

I have dwelt at length on the question of natural gas not because the other resources of the State are unimportant, but 10.

ugh

of

of

the

oin-

for

real

ust

aln.

nat-

Hes

ery

dod

oil

was

oil nia ich

ted izaand

the of

lls.

by

of

the

the

ith

nt

ial

re

N

115

li-

because the utilization of the gas is the ite; or producing from coal and limestone key to the entire industrial situation; because this valuable resource is now being wasted at an alarming rate and the case demands prompt treatment. The opportunity is now present, and every day's delay means irrecoverable loss

I have barely mentioned oil, yet I venture to say that in the popular estimation oil is vastly more important than gas. For the immediate enrichment of a few, oil is undoubtedly the mort attractive, but its effect on the industrial situation is insignificant. Oil is, like cotton, a staple product, easy to transport and certain of a market. It goes out of the country, and rarely gives rise to any permanent industries in the region where produced.

The minerals which I have enumerated as occurring abundantly in this region, particularly the salt, sulphur, limestone coal, bauxite and gypsum, are the raw materials on which with a cheap source of power the principal chemical industries are based. With the natural gas fully utilized as a source of power, it is difficult to say in what respect natural conditions

new sources for illumination under the form of calcium carbide; or again fixing the nitrogen of the air on calcium carbide to change it into cyanamide, a most valuable synthetic fertilizer."

In its final analysis the problem of conservation is a problem of education. It is not enough that the elected representative of the people should be alive to the neces sities of the situation or that the editors. engineers, scientists and college professors should be fully informed. The great mass of business men, planters and farmers must be brought to realize that each one has a vital interest in the proper utilizaconservation through utilization-of the great store of natural gas which has been accumulating beneath the surface of this State for millions of years. When every man who owns a dollar's worth of property in the State realizes that he is every day suffering a financial oss through the waste of this natural resource; that his property and his opportunities are being decreased in value through such waste-then conservation could be more favorable for such indus- ceases to be an academic question. It the most direct route the great Central

Undeveloped Wealth Along the Clinchfield.

Johnson City, Tenn., June 25. way, extending from Dante, in the extreme southwestern part of Virginia, to Spartanburg, S. C., a distance of about 240 miles, passes through sections of Virginia, Tennessee and North Carolina, the resources of which, owing to the lack of railroad facilities heretofore, have lain practically dormant. Since the placing of this line into operation, however, and through the efforts of its industrial department, a great awakening is taking place. New industries are springing up, the resources of the whole territory are being investigated and made known, and the farmers are being educated to the greater possibilities from their land. In every direction are evidences of those activities which always follow in the wake of newly established railway lines. In many ways the building of the Clinchfield road is of national importance, because not only will it connect by

these resources can be placed with equal The Carolina, Clinchfield & Ohio Rail- facility and at a comparatively low cost, in such large consuming markets as the West and South, with the scaports of the Atlantic coast equally available for coastwise and foreign shipments, and some idea can be formed of the strategic location of this section for the economical assembling of raw materials and quick and direct distribution of finished products over a large and most important consuming area. Coupled with these facilities, the fact that an abundance of white labor resides throughout this territory, and it is not an exaggeration to claim that this section contains those ideal conditions sought for in the pursuits of agriculture, mining and manufacturing.

> Those behind the Clinchfield Railroad arly realized that the territory contiguous to their line should possess resources of at least equal value to those abounding throughout the Appalachian Mountain country, but having been absorbed in the



FARM SCENE NEAR JOHNSON CITY, TENN.

tries than they are in Louisiana. And it is right here that true conservation comes conservation based upon utilization. for there is no form of industrial activity which adds so much to the wealth of a country with so little drain upon its natural resources as the various chemical manufactures, since they convert such relatively cheap materials as sulphur, salt limestone into valuable chemical products. The soda industry alone is worth many million dollars annually to Michigan, Pennsylvania and New York, and it is largely due to the development of chemical industries that Germany holds the commercial supremacy among Euro-

With the gas now escaping into the air in Louisiana converted into hundreds of thousands of electrical horse-power, as is entirely practicable, why should not the conditions at Niagara Falls as they are described by a prominent engineer be produced at a dozen different points in this State and the electrical energy be employed for "converting ores into metals; transforming hundreds of tons of brine daily into caustic soda and bleach; changing mixtures of sand and coal into carborundum; ennobling plain coal into graph- Albany, treasurer.

comes down to a practical discussion by practical men of ways and means for the of the South and the principal seaports of investigations into these resources were not accomplishment of a supremely desirable

To Put All Ovens in Commission.

H. S. Matthews, vice-president of the Alabama Consolidated Coal & Iron Co., writes the Manufactubers' Record

"The Alabama Consolidated Coal & Iron Co. is preparing to put in commission every available coke oven it owns, of which 180 have been idle for nine months and 120 for the past 11 months, by reason of the fact that the company has just closed contracts for coal and coke sufficient to keep its plants running at maximum capacity for the next 12 months. The company has also sold its output of Clifton pig-iron up to the first quarter of next year. This should insure the company a prosperous year, and at the same time give full guarantee to all labor of steady and profitable employment."

The Georgia Cottonseed Crushers' Asso ciation has elected Messrs, A. O. Blalock, Fayetteville, president; E. B. McBurney, Atlanta, vice-president; W. M. Hutchinson, Atlanta, secretary, and R. G. Riley,

the South Atlantic States, but it is going to bring into industrial activity a practically virgin country that is rich in natural resources and profitable investment opportunities. Lying for the most part midway between the West and South, and with splendid connections to the seacoast, or, in other words, being in the heart of one of the most important sections of the country, it is doubtful if any part of the territory east of the Mississippi River offers equal opportunities for investment and develop-

Here, after expert investigations, have een found mineral deposits, such as coal, limestone, marble, shale, kaolin, mica, iron ore and others that can be economically and profitably mined; merchantable hardwood timber, conservatively estimated at several billion feet; farming lands espe cially suited to the raising of all kinds of s, especially for trucking, and fruits, and sites for manufacturing plants of many different kinds, where raw materials and coal and water-power possibilities are available for power purposes, are at their very doors.

begun until the line was started. Within the past year, however, the company has employed expert geologists, agriculturists, horticulturists and timber cruisers to study these resources, estimate their extent and value and point out their possibilities for conomical development. These experts in their reports have fully justified the company's expectations. While the whole territory adjacent to the line has not as yet been complétely exploited, sufficient information and data were secured to indicate that the mineral, timber and agricultural resources of this territory hold out to prospective investors opportunities of great value. The same broad policy that was pursued by the company in constructing the best possible low-grade railroad crossing the mountains has been adopted in the work of developing the resources along its line, and every encouragement and assistance will be given those desiring to invest money in any new enterprises or seek homes in its territory. The com pany's industrial department has detailed information regarding these various op-Then consider that the products from portunities, and will place them at the dis-

=

in de ta in be sic tic

of

ma ou ha Ca

of Pr

gai tha nit

the ace and har

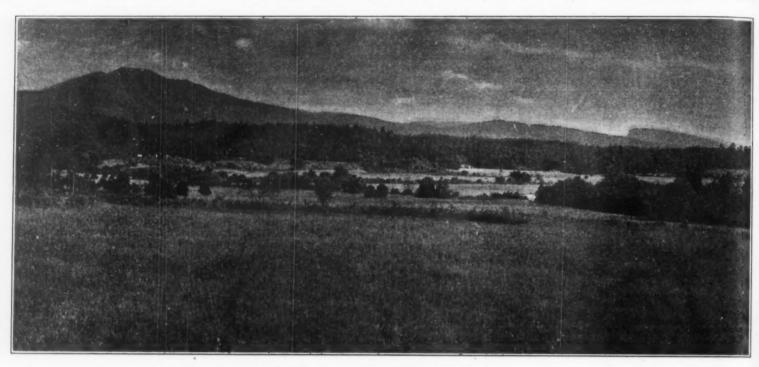
posal of those desiring to investigate them. Briefly described, the country traversed by the Clinchfield begins at the North in the enormous coal fields of the Clinchfield Coal Corporation. This company owns about 300,000 acres of coal land and produces annually about 2,000,000 tons, and is steadily increasing its output. This coal from analysis and use has proved to

Holston River on the north and the Nolichucky River on the south. The Tennessee Valley is a very broad one, and is considered one of the most productive in the State. Located in this valley are the towns of Kingsport, Johnson City and Erwin.

Kingsport, while small at the present, bids fair to become quite an important suits. There is now in course of construc-

and the Nolichucky River. This valley is a broad and fertile one, and offers exceptional opportunities for agricultural purtown. It is located on the Holston River, tion a large 40,000-spindle cotton mill,

main shops and division yards. Erwin After crossing the Blue Ridge Mountains lies in the midst of a twin valley created the Clinchfield enters the valley of the Caby the junction of North Indian Creek tawba, in which section are located some of the finest farming lands in Western North Carolina. Here are also found a number of opportunities for water-power developments. Further on, at Bostic, N. C., the Clinchfield connects with the Seaboard Air Line and enters the northern



FARM LANDS NEAR CATAWBA RIVER, NORTH CAROLINA.

coals on the market, thus offering to those locating along the line a plentiful supply of high-grade fuel at a comparatively low cost. From the coal fields the Clinchfield passes through the well-known valley of Southwest Virginia and successively follows the valleys of Lick Creek and Clinch River for 40 miles, all of these valleys be-

be one of the best steam, gas and domestic in the center of a wide and fertile valley. In this section abounds limestone and shale in large quantities, and already there is in course of construction here by the Clinchfield Portland Cement Co. a modern Portland cement plant to have an output of 3000 barrels daily, making it one of the largest of its kind in the South.

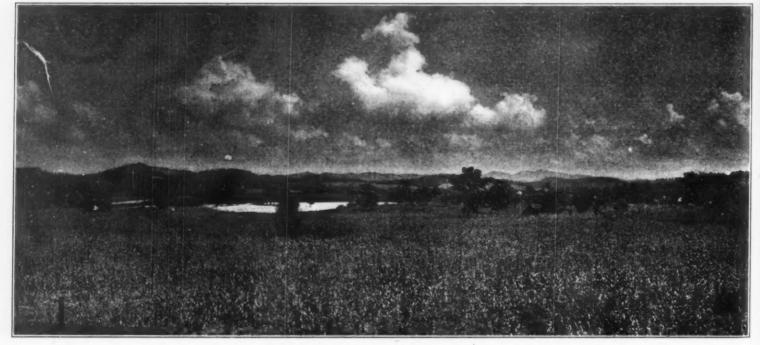
At Johnson City the Clinchfield cr

while several other industries will shortly edge of the great cotton belt, and between be started at this point.

After leaving Erwin the line passe through the famous Nolichucky gorge, where for a distance of eight miles the scenery is more rugged and picturesque than any mountainous section east of the Rockies. The line then passes into the famous Blue Ridge section, which is well quality, found in large quantities prac-

this point and Spartanburg, the present southern terminus of the line, are found splendid lands for cotton-raising.

Perhaps the most important resources along the Clinchfield are its mineral de posits, including bituminous coal, already referred to: limestone of excellent



FINE VALLEY LANDS NEAR KINGSPORT, TENN.

The soil in them is fertile, the rainfall plentiful, the climate excellent, all combining to make this a fine fruit, agricultural and stock-raising section. On leaving Clinch Valley the line passes through Clinch Mountain and into the beautiful and expansive valley of East Tennessee, which comprises the smaller valleys of the

ing noted for their bluegrass grazing lands. the Southern Railway. This city, on ac- known for its splendid agricultural lands, tically throughout the entire length of count of its splendid location and railway facilities, is developing most rapidly in every direction. The Clinchfield road has built what is known as an industrial line. extending around part of the city for the purpose of encouraging the location of industrial plants.

At Erwin the company has located its woodworking establishments of all kinds. this section of the State has heretofore

which are especially suitable to truck and fruit growing, grazing and general farming. This section also abounds in many varied and important mineral deposits. while it is in the heart of a practically virgin hardwood timber section, thus offering splendid opportunities for the location of

road; fine clays and shales for the manufacture of brick, drain tile, etc. In addition, deposits of dolomitic limestone, barytes and other minerals are found in good quantities. North Carolina is already well known as to its wonderful and varied mineral resources. Owing to the fact that

magn the c conti ploye territ tively billion it is f popla nut, hemle other walnı The :

> pally count this 1 offere plants tically would valual pense lumbe

010

tains

Ca-

nd a

ower

hern

been without railroad facilities, the coming of the Clinchfield makes the mineral deposits of this country the more important, because they still exist in their original state. Mica and kaolin are at present being extensively mined on the northern side of the Blue Ridge, while in other sections of this territory are found deposits of iron, zinc, chromite, nickel, limestone, marble, and even precious stones. The various mineral deposits along the Clinchfield have been investigated both by Mr. Charles Catlett, one of the best-known geologists of the country, and Dr. Joseph Hyde Pratt, State Geologist of North Carolina. With such eminent and expert advice regarding these deposits, the company feels that it can safely recommend the opportunities which they offer.

Another most important resource in the section traversed by the Clinchfield is that of timber. It is a well-known fact, according to Government investigations and reports, that the bulk of the country's hardwood timber must come in the future from the Southern Appalachian Mountains. The forests adjacent to the Clinchfield have

But since the Clinchfield has been constructed into the very heart of this section, lumber has become one of its most important resources. Large band mills are being erected, branch lines are being extended into the forests and great activity is being manifested generally in the development of this industry. The timber resources, however, are not confined to this section alone, for along all parts of it are found timber sufficient in value and quantity to warrant development.

To the farmer splendid opportunities are offered in the various valleys crossed by the Clinchfield. In Southwest Virginia the counties of Wise, Russell and Scott are crossed, and here can be found lands suited for general farming, trucking and grazing. This is a bluegrass country, and is especially suitable for raising fine cat-The principal farm products are wheat, corn, oats, rye and potatoes, while Scott county has a large production of sorghum and maple sugar, butter and dairy products. Considerable attention is also given to fruit-growing. Unimproved lands

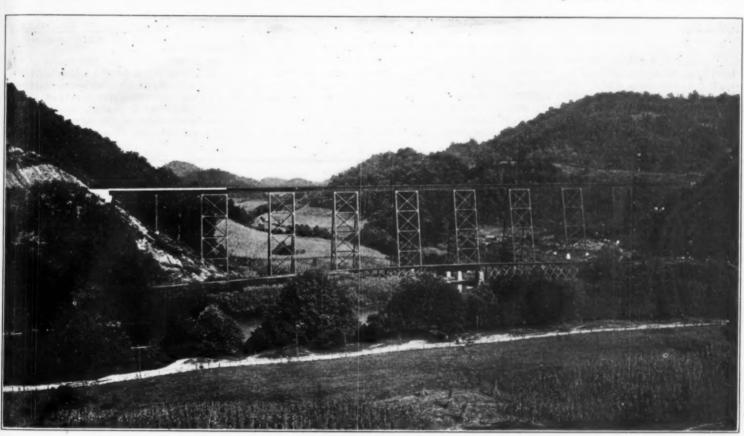
Ridge section of the Appalachian Moun-These three counties are in the tains. most elevated section through which the road passes, and are unlike in soil to the broad valleys of Southwest Virginia and East Tennessee. The land in these counties has been found especially adaptable to the growing of fruits, especially apples. The various soils of these counties adapt themselves readily to the growth of vegetables, grains and grasses, while the neadow lands, which are not very wide, are suitable for trucking. These counties are not as thickly settled as those in the valleys on the other side, due to the fact that prior to the coming of the Clinchfield they were without railroad facilities. It is felt, however, that in the course of the next few years these counties will make rapid strides in all agricultural pursuits. especially fruit-growing, dairy farming, stock-raising and trucking.

In South Carolina the Clinchfield pass through Cherokee and Spartanburg counties, both of which are located wholly within the cotton belt. The principal crop in in these counties can be secured for from this section is, of course, cotton, although

erses them in a perfect horizontal line throughout their entire length. Vegetation within the limits of this zone is untouched by frosts, and such is its productive influence that the tenderest grapes has not failed to produce the most abundant crops within the past 26 years, or has fruit of any kind been known to have been killed by frosts. On account of this peculiar condition, together with soil, pure air, etc., this region is an exceptionally fine one for the growth of apples, enabling them to attain a color and growth that is unexcelled. In fact, apples grown in this country have twice carried off the prizes in New York city in competition with apples grown throughout the country. Fruit lands can be had at various points along the Clinchfield at from \$10 to \$30 per acre.

In speaking of the agricultural possibilities of the country traversed by the Clinch-field, Prof. Geo. T. Powell, president of the Agricultural Experts' Association of New York, who has thoroughly studied

this territory, says:
"The territory from St. Paul, Va., to Altapass, N. C., embraces thousands of



VALLEY OF THE CLINCH RIVER, VIRGINIA

een practically undisturbed, and therefore present miles of unbroken areas of magnificent timber. In order to estimate the quantity and variety of the timber contiguous to the line, the Clinchfield employed expert timber cruisers, who in the territory so far investigated very conservatively estimated that it contained over a billion feet of merchantable timber. This, it is further estimated, will cut 10 per cent. poplar, 25 per cent, oak, 20 per cent, chestnut, 25 per cent. pine (this including hemlock and spruce) and 20 per cent. of other kinds, which include ash, gum, oak, walnut, buckeye, basswood, cucumber, etc. The majority of this timber lies principally in Mitchell, Yancey and McDowell ounties of North Carolina. In view of this large supply, great opportunities are offered for sawmills and woodworking plants of all kinds. There have been practically no transportation facilities which would permit of the development of this valuable resource heretofore, and the expense of getting out and marketing the

\$10 to \$15 per acre, while improved lands bring from \$25 to \$75 per acre. These lands are naturally increasing in value, due to the fact that transportation facilities have made them so.

In Tennessee the line passes through the counties of Hawkins, Sullivan, Washington and Unicoi. The first three counties are located in the valley of East Tennessee, which, as heretofore stated, is one of the most fertile in the State. The principal crops of these counties are corn, wheat, rye, oats, barley, buckwheat and all grasses, such as clover, timothy, etc. Diversified farming is carried on quite extensively in this section. These counties have also many rich, sandy river bottom lands, which are fine for trucking purposes, producing melons, cantaloupes, cabbages, potatoes, lettuce, celery, etc. On the steep slopes of the higher lands fruit-growing has been found most prefitable. In North Carolina the Clinchfield passes Mitchell, Yancey, McDowell and Rutherford counties. The first three of these

the farmers are beginning to grow more corn, wheat, oats and other grain. Vegetables and fruits can also be profitably grown in these counties, and they are likewise suitable for stock-raising and dairy

From investigations made by expert horticulturists, various counties along the Clinchfield road have been found especially suitable for apple-growing. In the counties of Southwest Virginia there are many localities admirably adapted for orchards, while in the valley of East Tennesse among the elevated portions of the counties, where the altitude is sufficiently high to protect against frosts, there exist rare sibilities for fruit-raising. In the Blue Ridge district, in the counties of Yancey and Mitchell, and part of McDowell, there is a peculiar situation which makes this section especially suitable for the growth of fruits and vegetables. The situation is caused by a "verdant zone" and "thermal belt," which exhibits itself on the mountain side. This belt begins about 300 feet lumber prohibited its sale to manufactur- counties lie wholly within the famous Blue | vertical height above the valleys and trav-

acres of land that possesses native fertility in its soil that is as enduring as the rocks from which it is derived. Underlaid with good deposits of limestone, and from the slow but steady disintegration of the rocks on hill and mountain sides, the soil will be renewed and will continue to be productive for generations yet to come,

"While much of the soil is composed of andy loam, it contains a variable degree of clay from decomposed limestone, which makes possible very diversified productions of forest, farm and garden. The top soil is from 10 to 16 inches deep, with a subsoil composed of a clay loam, which makes it retentive of moisture to a degree that crops are largely insured against the losses that are often experienced from severe and protracted drouths.

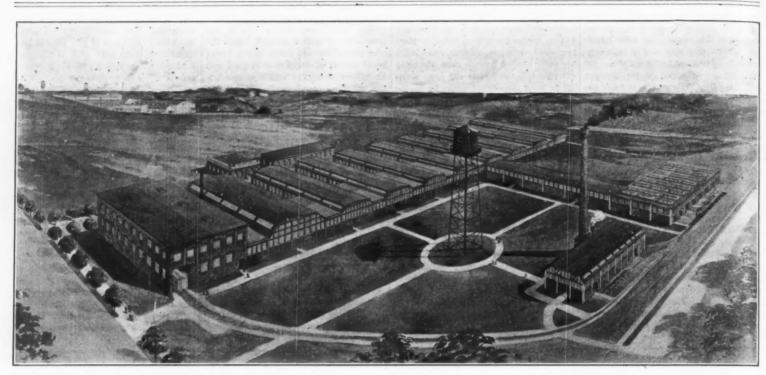
"Another important feature of this soil formation is that the fertility of the land is not wasted, but rather conserved; hence the greatest value is obtained from the use of fertilizers, which do not wash or leach out as in an open or porous soil.

"Added to this, gradual deeper plowing,

the

l de eady llent

d in eady that fore



TOOL WORKS TO BE BUILT AT ST. LOUIS BY FAYETTE R. PLUMB OF PHILADELPHIA.

This plant, described in Manufacturers' Record of June 23, will include 16 buildings—13 for manufacturing, one for office and chemical laboratory, one for power-house and machine shop, and one for employes' service; 14 will be one story high and mostly 100x60 feet; two will be two stories high: total floor space, 78,000 square feet; construction of brick, with concrete columns, slag roof, steel trusses, pivoted glass windows six feet high at top of all walls, etc.; building contract awarded to John G. Brown, Witherspoon Building, Philadelphia; machinery to comprise complete equipment for manufacturing tools and cutlery; plant planned to be ultimately doubled; 500 per cent. increase can be effected without rearranging original plant; will employ 400 skilled men at first. It is understood the plant will represent an investment of \$1,000,000. Fayette R. Plumb, Inc., is a Philadelphia corporation of which Fayette R. Plumb is president, and has been known for years as a tool manufacturer. The decision to build this plant is a recognition of the growing importance of the South, the Southwest and the West, and will enable the company to meet the increasing demand in that territory.

stone quarries analyzing 96 per cent, carturning up more of the subsoil, and the adoption of a more diversified rotation of crops, in a period of five years the farming interests of these States may be revolutionized and millions of dollars of new wealth taken from the soil, while other millions may be realized through the enhanced value of the land."

In the work of furthering develop along its line, the Clinchfield officials are paying great attention to agriculture and horticulture. Some little time ago it employed a horticulturist and purchased a complete spraying outfit, which is being used for demonstrating to the fruit-growers along the line the advantages of spraying fruit to overcome pests and diseases. force of men under the supervision of the horticulturist has just recently completed the work of pruning more than 5000 trees along the line without any expense to the owners. Through the efforts of the company's industrial department an experimental orchard of 2000 trees has been planted near the summit of the Blue Ridge. Through this experiment the company hopes to show its patrons the splendid sibilities that can be derived from intelligent fruit-growing. Special attention is also being devoted to the truck-raising industry. By arrangements with a num ber of truck-growers special plots of ground have been set aside in which various kinds of truck have been planted, and the growers, in return for aid rendered, have promised to keep accurate records as to the cost of cultivating these plots and the price which is obtained for the crop the idea being to demonstrate that, if properly cultivated, truck can be most profitably grown in this territory. Ready markets for truck are found in the coal fields in the North and the cotton-mill districts in the South.

The higher altitudes of the Appalachian Mountains are especially suitable for summer resorts, and it will not be very long before this section will be largely patronized, thus opening up a large demand for truck of all kinds.

Last year the Clinchfield operated its initial industrial agricultural train. This train carried experts from the agriculture departments of Virginia, North Carolina and the National Government. Great interest was manifested by the farmers all along the line in the talks and demonstrations that were made to them. The industrial department is now preparing for its cond tour, and in adidtion to having monstration work, will also include in the train complete exhibits of fruits, agricultural products, etc., that can be grown through intelligent cultivation. The com pany has also secured through the depart nent of agriculture of North Carolina several acres in Mitchell and Yancey counties, North Carolina, and on each of these a model farm will be arranged to demonstrate modern methods of farming.

Taken altogether, the section traversed by the Clinchfield is offering unusual opportunities to the investor, manufacturer, farmer and homeseeker, and these are the ore important when it is considered that they lie along the line of a railroad which is one of the best constructed in the country and one which will enable distribution to be made in important consuming sec-The company has determined to aid in every way the development of these sources, and it is ready and willing to furnish full and detailed information regarding the opportunities offered by these resources to any of those who may be interested, and will also co-operate with them to the fullest extent in aiding them to sucressfully work out their undertaking. The industrial department, which is devoted exclusively to this work, is in charge of R. F. Brewer, industrial agent, with offices at Johnson City, Tenn.

WM. H. STONE.

PORTSMOUTH'S DEEPER WATER.

Will Give an Impetus to Industrial Development.

James A. Mulvey, secretary Central Improvement Association, Portsmouth, Va., writes to the Manufacturers' Record:

"The passage of the new river and har-

bor bill by Congress, which authorizes a 35-foot channel 400 feet wide from Hampton Roads to the Navy-yard, and a channel 25 feet deep and 300 feet wide from above the Norfolk & Portsmouth Belt Line bridge to a point above the Virginian Railway bridge, and a channel 22 feet deep and 200 feet wide from this point to the Norfolk & Western bridge on the Southern branch, is going to give this port an important impetus not only in its shipping, but along industrial lines.

"The industrial activity along the Southern Branch and the Norfolk & Portsouth Belt Line during the past few years has been remarkable. In 12 years 52 industries have been located along this line. and there are now five large industries in course of construction. The building of the Norfolk Portland Cement Co., costing \$600,000, is well under way, as well as the lumber plant of the Surry Lumber Co., which will give employment to some 600 men. Many of the tanks to be used by the Texas Oil Co. for distributing purposes have been erected, one of which will hold 500,000 gallons of oil; the McWane Pipe Co. is getting ready to start work on construction, as well as the Phillips-Mahoney Company, which will erect a large lumber plant, for which contract has been awarded and material is now on the ground.

"The greater portion of these large plants are located on deep water along the Southern Branch, and this deepening of the channel for four miles along the Branch will give splendid industrial locations which already have rail facilities and permit vessels of large draft to reach their wharves on, both sides of the Southern Branch.

"This navy-yard received an appropriation of nearly \$900,000 for new improvements, of which \$550,000 was for enlarging and lengthening the new dry-dock, which enable the docking of the largest vessels in the navy when completed. As the New York navy-yard has not completed the battleship now under construction, efforts will be made to get the construction of one of the new battleships

authorized by Congress to be constructed at this navy-yard, although handicap will be met with from the fact we have no launching ways or cranes for new construction. m sto ta of bu ar will ca be fa ne th est pa de foi bil

ste the in average about the place of the low the in cen

pri pla the

pri mo for felt

tha

of :

ing

ing

1

"This city will open bids this week for issuing \$325,000 of paving and school bonds, the sale of which will enable very extensive improvements. A bill was also passed at the last session of the Legislature authorizing the issuing of \$600,000 in bonds to provide a municipal water supply. A commission has been appointed for this purpose, and it is expected shortly to have the people vote on this issue.

"The experiments made by Mr. William Oliver of the Oliver Cotton Fiber Co. of this city have been pronounced a success and a bond issue of \$100,000 is now being subscribed to put in the necessary machinery for the making of paper stock on a nore extensive scale. This stock is made from cottonseed hulls mixed with rice straw. Mr. John W. Gates is interested. because it will provide the utilizing of the waste rice straw in his extensive holdings in Texas, and besides shipping 300 tons of straw here for experimental purposes, he has visited the plant in person. There is a large amount of new building construction going on both for business and residential purposes."

For a New Town.

Mr. I. S. Ross, president of the Osage Land & Development Co., Oklahoma City, Okla., writing to the Manufacturess' Record about Osage City, 98 miles northeast of Oklahoma City, says:

"We have just closed a contract for natural gas, giving us 500,000,000 cubic feet per month for manufacturing purposes. We have secured for the town a desk and furniture factory, which has a capacity of 50,000 school desks annually and other furniture in proportion. Our company will build a 100-ton ice plant and a cotton gin, also an electric-light plant. We have also secured a wire-fence factory. We have brick shale and potter's clay in unlimited quantities, also glass sand."

910.

PORTLAND CEMENT ADVANCE.

Prospect for Big Expansion in Indus-try This Year.

The price of Portland cement has been increased 20 cents a barrel within the past 20 days, the last increase of 10 cents having gone into effect on June 24. It is also rumored that a still further advance will be made before very long, and this rumor is strengthened by the fact that no orders are being taken for large quantities of cement at even the advanced rates to be delivered over a long period, and in most coses no contracts for delivery at the present prices are being made for more than

These recent and steady increases in price have, it is said by the cement makers, been brought about entirely by the grow ing demand for Portland cement. This demand is being felt throughout the country, but especially in the Middle Atlantic. Southern and Western States.

During and since the recent financial de ssion the various cement plants have been making cement right along, and in many cases have been placing it in their storage warehouses, where orders did not take care of the output, consequently some of them accumulated quite large stocks, but these are now being rapidly reduced. and it is conservatively estimated that within three months they will be practically depleted, and deliveries will have to be made as fast as cement can be manufactured. In addition, too, a number of new plants have begun operations within the past year, and quite a number of the established ones have enlarged their ca-These facts are striking evipacities. dences of the great and growing demand for cement today, and point out the possibilities of this industry in the future.

In general, the cement manufacturers of the country are much gratified by this steadily-growing demand, and they predict that the demand will justify an output in 1910 of 70,000,000 barrels, and at an average price much better than that brought by the output of 1909, when about 62,000,000 barrels were produced, so that all together the prospects bid fair to place the industry in a very prosperous condition.

Prior to these recent increases cement had been sold at the plants for 65 cents a barrel, which to a great many plants was about equal or a little more than the cost of production, and in some cases less than the cost of production. This price was so low that it proved a hardship to most of the manufacturers, and in a few cases was the cause of several plants being placed in the hands of receivers. With the recent advances, however, which bring the price from 65 to 85 cents a barrel at the plant, a safer margin is provided between the cost of manufacture and the selling price, and this industry is again on a much more substantial footing than it has been for several years past.

The low prices made themselves most felt during 1909, and up to June, 1910, this being strikingly shown by the fact that although the production in 1909 exceeded that of 1908 by 10,000,000 barrels, the total amount received for the output of 1909 was less than that of the preceding year. With the price, however, coming back to where a fair profit is assured, and with the outlook most promising for a more continually expanded use of cement than ever before, there is every reason for the manufacturers to view the prospects with satisfaction.

This steadily-growing demand for Portland cement is due to several causes, among them being the carrying forward of many undertakings that were held in abeyance during the recent financial de-

pression, the great amount of general and new building construction work being started, the more varied uses to which cement is being put and the splendid publicity campaign that has been undertaken by a number of the leading cement companies for the purpose of extending the use of cement in widely-different fields, such as in the construction of dwellings. farm work, railroad work and many other different lines. There are few industries that have been so intelligently and so broadly exploited as that of Portland cement. With a never-failing faith in its many possibilities, the leading manufacturers have carried forward an educational campaign regarding its adaptability for almost every character of construction work, and there has been no let up in this, even during dull times. It has rather broadened more and more every year. Success has but stimulated them to greater effort. These companies are continually widely advertising not only in such papers as the MANUFACTURERS' RECORD, but in popular magazines and farm papers, in order to widely acquaint the public with the varied uses of cement. This advertising is intelligently done, and creates a demand for information on the subject, which is supplemented by the wide distribution of bulletins and booklets describing the new uses to which cement can be put. The result of it all is that people in every walk of life are being educated regarding the great possibilities of this material for practically all classes of construction work. The cement makers of the country, especially many of the larger concerns, have demonstrated the vast power of such a campaign of publicity. While making possible the creation of such a great industry as this has now become, they have benefited the whole country. This indus try must continue to grow rapidly, for the uses to which cement can be put are almost innumerable. We have only seen the beginning of what is to be the development of cement-making and cement-using. The advance in price would seem to indicate a general improvement in all business con-

QUIET AT BIRMINGHAM.

But Several Large Inquiries Have Been Made in Iron Market.

[Special Cor. Manufacturers' Record.] Birmingham, Ala., June 27.

Some of the furnace companies in the district have been selling rather freely on a basis of \$11.50 per ton at the furnace, while others are still maintaining price of \$12. One sale of 3500 tons is recorded at \$11.50 per ton at the furnace for third quarter delivery. It is also understood that under certain conditions some sales have gone through the entire year on \$11.50 basis. It is believed, however, that a majority of the selling interests are only willing to sell on a basis of \$12 for delivery through third and fourth quarters. For the fourth quarter alone \$12.50 per ton at the furnace is known to have been asked. The general sales agent of one of the furnace companies said Friday that he had just refused an order for 2500 tons, which had been put up to him on basis of \$11.50 per ton at the furnace. His lowest price was \$12, and, as his order-books were in comparatively good condition, he said his instructions were to hold firmly at \$12. The tonnage sold the past week was not as large as that of the week previous. Probably 7000 to 8000 tons would cover the entire week's transactions, while 10,-000 to 15,000 tons were sold during the week of the 13th inst. It is understood that several large inquiries are pending which in all probability will be closed the coming week.

No important contracts for water pipe

are reported in sight, but the small busi- meeting the Western Maryland, which ness continues very satisfactory. This, of course, is the season of the year when matters of this kind are naturally quiet. No change in prices is warranted, and it is stated that present quotations are rather firm. The following are prices per net ton f. o. b. cars here: Four-inch, \$23; 6, 8 and 10-inch, \$21; 12-inch and over, average of \$20, with \$1 a ton extra for gaspipe.

The scrap-iron market is thoroughly inactive, and there is but little trading by either buying or selling interests. Prices quoted are only nominal, and are about the same as for the past two months.

Following the visit of State Geologist Dr. Eugene A. Smith of Tuscaloosa, Ala., to the gas fields at Fayette, the Government's expert, Dr. David T. Day, visited these fields the past week and has made a report of his findings to the United States Geological Survey at Washington. Of course, Dr. Day gave here no inkling of the results, as they will have to be disclosed by the Government. The report is awaited with keen interest. Dr. Day was accompanied to the wells by Francis Vnutsko, Francis Boehn and Jajos Katano-a Hungarian Commission sent to this country for the purpose of studying natural gas fields

Steel Rail Sales.

[Special Dispatch to Manufacturers' Record.] New York, June 29.

Steel rail sales of the week included 1500 tons by the Illinois Steel Co. and 550 tons by the Tennessee Coal, Iron & Railroad Co, to the New Orleans, Mobile & Chicago Railroad.

INDUSTRIES FOR GRAFTON.

Manufacturing Interests in the City Advancing.

[Special Cor. Manufacturers' Record.] Grafton, W. Va., June 11.

Grafton, long known as a railroad town almost exclusively, has of late been awakened to the fact that there are other lines in which peculiar advantages are offered for success, and has organized to make the most of them. The most important step taken in this direction was the organization of a development company, which offers free sites for the location of manufacturing plants, with other inducements held in reserve for the worthy. This company has secured a considerable area of ground suitable for locations for manufacturing establishments, and is not only willing to donate to such as will come, but is actually advertising the fact and asking those concerns in search of locations to come and take advantage of the offer. Behind the offer of free sites are two other inducements of great drawing powercheap gas and fine transportation facili-Gas wells of large capacity have been struck close to the city, and the price to manufacturers is five cents per thousand feet. It is thought the field will prove a lasting one, and that gas can be secured for many years, and then, when the inevitable exhaustion comes, such plants as have made this their home will find themselves in the midst of coal fields that will know no exhaustion for many years further in the future. For Grafton stands in the midst of a large coal territory, where production is in its merest infancy, and which will prove invaluable to the manufacturer in the future.

As for transportation, Grafton lies at the point at which the main line of the Baltimore & Ohio Railroad divides, sending one branch to the Ohio River at Wheeling and the other to that great waterway at Parkersburg, each of these crossing points being about 100 miles distant. A third branch extends up the Tygarts Valley River to Belington, there gives it connection with a very rich coun try farther up on the headwaters of that picturesque stream. The road maintains shops here which give employment to a great many men, and it is also the end of three divisions, thus making it the home of a large number of trainmen. These things are the basic reason for a very large payroll, which has for many years made Grafton one of the most thriving towns in the State.

Just now the railroad is making such improvements and additions to its property here as will make this one of the chief places upon the entire line with respect to railroad importance. A new passenger station is now in course of construction, which will cost \$125,000 and will be a very commodious struc ture, as well as a very ornamental one. A railroad Y. M. C. A. building is to be erected at once, and the present yards are about to be enlarged at a very great cost. In fact, the enterprise will embrace the cutting down of a good-sized hill, the changing of the course of a creek of almost the proportions of a river, and the filling up of its present bed to make room for the many tracks that the large and increasing business now demands. These improvements will reach an aggregate cost of \$1,500,000. The station and yard facilities will not be equaled on the ond anywhere in the State, with the possible exception of those at Wheeling.

To meet the needs of the growth which they feel these improvements will bring about the people of the town are planning a \$150,000 hotel, which will doubtless be built at once.

The Federal Government has purchased a site for a postoffice and a court building. for which appropriation has been made. and the erection of which will be begun at once. This will be a handsome modern structure, such as the Federal Government is wont to build. Grafton is a place of onsiderable importance in the business of your Uncle Sam, being one of the 13 supply depots for the Postoffice Department.

In addition to the coal which abounds hereabout, and the great gas supply, other things attractive to manufacturers which Grafton has at hand are standing timber, iron ore, an excellent quality of glass sand and an abundance of high-class potter's clay. The Tygarts Valley River flows through a large area of virgin timber, and at no other point can it so cheaply and conveniently be assembled for manufacturing purposes. Several woodworking establishments are already finding profitable employment here, and there is room for a good many more. Iron ore could cheaply meet coal and the other necessary raw material at this point, and men and money meeting both here could develop a great iron and steel industry.

Three glass plants are already established here, and their promoters have found a profitable return upon their in-

Another potential factor in the building of a great manufacturing city, and which has probably never been mentioned in connection with Grafton, is water-power. The Tygarts Valley River for miles above the city presents opportunities for the development of water-power, which, properly taken advantage of, could be made of timable value to Grafton. It is a swiftly-flowing stream, not of great size, but of never-failing current, and by the proper repetition of dams and the proper carrying of the water in aqueducts could be made to furnish power to run many plants at a very small comparative cost, a cost that would make the use of gas at even its present small price seem a useless waste and the burning of coal in the development of power actual prodigality.

ucted will

00

ed

verv also 0.000 vater inted

o. of being chinmade rice f the lings

ns of

re is

truc-

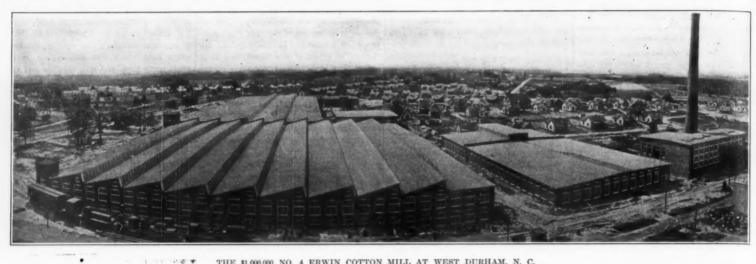
resi

lliam

City, RERS orth-

ani acity ther stron have

feet



THE \$1,000,000 NO. 4 ERWIN COTTON MILL AT WEST DURHAM, N. C.

Plant recently completed in accordance with details previously stated by Manufacturers' Record; main building one story high, 826 feet long, 200 feet wide for spinning and 300 feet wide for weaving; saw-tooth roof and 25,000 square feet of glass; other buildings include power-house, bleachery, slasher and picker houses; building contractor, Fiske-Carter Construction Co., Worcester, Mass.; engineers, Frank P. Sheldon & Sons, Providence, R. I.; equipment of mill, 50,000 spindles and oms, etc.; owner, Erwin Cotton Mill Co., which also has mills of 25,000 spindles and 1000 looms at Durham, 35,000 spindles and 1000 looms at Duke, N. C., and 48,000 spindles and 1296 looms at Cooleemee, N. C.

However, the gas is too cheap, seemingly, and the coal too plentiful, apparently, for such economies to be taken into acc yet awhile, and so the development of this great source of prosperity-water-power must stand in abeyance for the present.

Grafton is one point of an almost equilateral triangle, of which the other points are Clarksburg and Fairmont, Grafton and Clarksburg lying on the Tygarts Valley and West Fork rivers, respectively, and Fairmont near where the junction of the two forms the Monongahela. Each side of this triangle is traversed by the Baltimore & Ohio Railroad, and the space inside is the scene of a large part of the activity of the Consolidation Coal Co., the largest coal-producing organization in the State, if not in the world. For some years the Fairmont & Clarksburg Traction Co. has run cars between the two cities whose names it bears, and the line is soon to be extended between Clarksburg and Grafton. Nor can it be a very remote period in the future when there will be another extension of the line, making the communication by traction direct between Grafton and Fairmont, for the intervening space is largely filled up with coal-mining villages, and the traffic to be thus secured would be a profitable one for the promoters of the

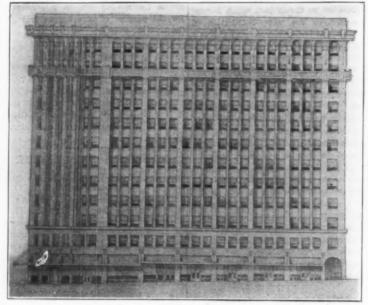
A traction line is already in operation here between various parts of the city, and extending to a number of suburban points. It is no doubt destined to become part of the system that will bind the three neighboring cities more closely together, making each the beneficiary of the connection.

The surrounding country is possessed of a fine agricultural and grazing soil, and is inhabited by a rural population of progressive spirit and thrifty habits, furnishing the basis of support for a prosperous and progressive urban population.

With its many natural advantages, thus scarcely more than hinted at, and with the new spirit that has been aroused in its people, the future takes on a particularly roseate hue, and Grafton seems about to move forward to meet the inspiring destiny that awaits her. GEO. BYRNE.

To Advance Piedmont Virginia.

An organization of the newspapers of the central Piedmont section of Virginia has been effected for the purpose of speeding agricultural and manufacturing development. Its officers are Messrs, Walter E. Addison, Lynchburg, president; A. H. Clement, Appomattox, and T. M. Richardson, Bedford City, vice-presidents, and Edgar Sydenstricker, Lynchburg, secretary.



A \$260,000 STORE AND OFFICE BUILDING FOR EL PASO Structure illustrated is planned for erection by Anson Mills, Washington, D. C.; 165x80 feet; 12 stories and basement, reinforced concrete construction; electric elevators; architects, Trost & Trost, El Paso; contractors, H. L. Stevens & Co., El Paso

SUBURB ON THE GULF.

Property Under Development by New Orleans Men.

[Special Cor. Manufacturers' Record.] New Orleans, La., June 23.

A development unique for this section is being undertaken by the Gulf Coast Development Co., an organization of local capitalists, in the way of establishing a suburban residence place, on the latest and ost up-to-date lines, on the Gulf coast, about 42 miles east of New Orleans. It is significant that the plant of the people developing this enterprise contemplate the provision of a suburban residence section as attractive as can possibly be found in this country, and are providing features of comfort and convenience, such as only the highest class of residence tracts pos

The property being situated less than an hour's run on a fast train from New Orleans, it will be available as an all-the year-round residence addition to this city. It will have all the advantages of the country, in addition to accessibility to New Orleans, and there will be boating, hunting and fishing, as well as good roads for automobiling.

The Stevens & Nelson Company of New

Orleans are the engineers, and they are now actively at work on the development of the enterprise. It is the calculation that the improvements as arranged for will call for an expenditure of about \$200,000. A number of fine avenues are being laid out, with neutral ground in the center, which will be planted with palms and other semi-tropical growths, which will give the place a very distinctive appearance. There will also be several miles of cement sidewalks laid, making foot travel convenient and pleasant in bad weather. The most unique features, however, will be the building of a large lake or harbor, from which the place takes its name. This lake will be about three city blocks long by some two city blocks wide, and will be deep enough to float the largest yacht in these waters. The object of this lake is to provide a safe harbor for pleasure craft, which has heretofore been left to the mercy of the winds and waves of the Gulf of Mexico. The boat owner living in Clermont Harbor can run his boat in from the Gulf of Mexico, after having enjoyed a sail on the waters, and anchor it in safety immediately in front of his house, thus avoiding any risk from storms, which would prove serious if the boat was left in the Gulf of Mexico.

The lake is of an irregular shape, and a shell driveway will be built along the shores of the entire lake.

No stores will be allowed in the residence portion of the town. A certain number of streets are being set aside for commercial purposes, and the remainder of the town to be used entirely for residence purposes.

A large plot of ground some 600x425 feet, near the beach, has been set aside for the erection of a large all-the-year-around hotel. The plans for this hotel have been drawn by Stevens & Nelson Company, and embrace the laying out of the grounds around the building in such manner as to have a band stand, where concerts will be given, and the mechanical equipment of the hotel will be so arranged as to furnish electric light, as well as ice water, to the entire town.

There will be tennis courts, croquet and other features of amusement laid off in the park surrounding the hotel. As the company owns considerable adjoining land, it is contemplated in the near future to arrange golf links on part of this property. Later on a road may be built on this property, connecting with one now being built out of New Orleans, and would enable persons residing in Clermont Harbor to go to New Orleans in their own automobiles, the nearness of this property to New Orleans allowing this to be done.

The property is now being developed, roads are being laid out and paved, sidewalks put down and a large pier being uilt. This pier will extend into the Gulf of Mexico for some distance, and have a pavilion at the end of same to accommodate some 1500 people.

ALBERT PHENIS.

For Pearl Button Factories.

W. S. Watson of the Memphis Button Works, Memphis, Tenn., writes to the MANUFACTURERS' RECORD:

"We wish to locate two pearl button factories in the South, as well as a factory for building button machinery, requiring a capital stock of \$100,000 each, of which we will furnish one-third."

Wants American Products.

The Latin-American Transaction Co., branch office Limon, Costa Rica, Central America, writes the MANUFACTURERS RECORD:

"We can exchange the best United States banking references and are in the market for any and every goods and articles excepting high machinery."

0101

ıd

the

rtain

e for

inder

resi-

x425

e for

heen

and

ands

II ha

t of nish

the l, it

rty.

rop-

uilt

per-

o to

the

ped

ide-

ing

e a

ton

the

ton

ory

ich

ral

ed

ti-

CHANGE WROUGHT BY ROAD IMPROVEMENT NEAR BROWNWOOD, TEX.







THE SAME ROAD AFTER WORKING.

Through the enterprising courtesy of Secretary D. F. Johnson of the Commer cial Club of Brownwood, Tex., the MANU FACTURERS' RECORD presents on this page an illustration of good results that may be gained in carrying on a campaign for the improvement of public highways. Mr. Johnson says that Road District No. 1. Brown county, in which Brownwood lies, was the first to take advantage of the good-roads law passed by the thirty-first Legislature of Texas. The county voted an issue of \$100,000 of bonds for highway improvement, to cover about 60 miles. The accompanying cuts indicate that the money is being well spent. On the left is shown what once did for a road. The condition of the thoroughfare suggests that calling it n "road" was largely a case of rank poetic license. What dollars judiciously ex-



CRUSHED-STONE ROAD NEAR BROWNWOOD.

pended may accomplish in a few months is proved by the cut on the right, showing the road as it is today.

As suggested from time to time by the Texas Commercial Secretaries' Association, which has highway improvement at heart as one of the things to be done for the advancement of the State, Texas is conducting a vig prous campaign for good roads. In many quarters bonds have been authorized, the question of such an issue is being actively and intelligently discussed or actual work is under way or already accomplished, The spirit manifested in many parts of the State is well illustrated by the act of Secretary Johnson of Brownwood in sending the Manufacturers' Record photographs offering the means of graphic comparison between the old and the new, and thus tending to hasten the day of the complete fulfillment of the destiny of Texas in this

WEEK'S HIGHWAY RECORD.

Progress in Southern Road and Street Improvement.

[Full details of highway undertakings given in the Construction Department.]

Bonds Voted.

Aberdeen, Miss .- Monroe county will issue bonds for road construction.

Annapolis, Md.—City voted \$24,000 of bonds for paving streets.

Gleason, Tenn.—City voted \$6000 of bonds for sidewalks.

Bonds to Be Voted.

Aransas Pass, Tex.—City contemplates issuing \$10,000 of bonds for street improvements.

Greenville, Ala.—Butler county votes July 2 on issuing \$150,000 of bonds for road construction.

Jacksonville, Fla.—City votes July 18 on issuing \$100,000 of bonds for street

Muskogee, Okla. - Muskogee county votes July 23 on issuance of \$100,000 road and bridge bonds.

Contracts Awarded.

Albemarle, N. C .- City awarded contract for granolithic sidewalks.

Albemarle, N. C .- City awarded contract for granolithic sidewalks costing \$4000.

Dallas, Tex.-City awarded contract for resurfacing Commerce street with creo-

Lexington, Ky.—City awarded contract for reconstruction of Short street with sheet asphalt.

fairs awarded contracts for improvements in several streets; asphalt paving, con crete culverts, etc.

Nashville, Tenn.-City awarded con tract for 5400 square yards of vitrified brick paving on Broadway viaduct.

New Decatur, Ala.—City awarded contract at \$26,696 for paving two streets. and at \$11,924 for laying cement sidewalks

Richmond, Va.—City awarded contracts for paying three blocks.

Richmond, Va.—City awarded contracts for paving three blocks of streets.

Richmond, Tex.-Fort Bend county warded contract for construction of road; \$150,000 available for lateral roads.

Vicksburg, Miss.-City awarded con tract for brick and asphalt paving on two streets.

Winnsboro, S. C .- City awarded contract for one block of concrete walk

Wise, Va.-Wise county awarded con tract for macadamizing 11/4 miles of road.

Contracts to Be Awarded.

Atlanta, Ga.-City opens bids July 18 for paving several streets.

Baltimore, Md.-State Roads Commision opens bids July 6 for constructing 191/3 miles of road in several counties.

Bixby, Miss.—City opens bids July 2 for constructing concrete crossings and sidewalks.

Bluefield, W. Va.—City opens bids July 1 for grading East Princeton avenue Clermont City, Miss.-Gulf Coast De

Little Rock, Ark.—Board of Public Af- plates constructing road to connect New Orleans with Clermont City.

Covington, La.—City is considering street and sidewalk improvements on Silver street.

Crowley, La.-City will construct 15 miles of cement sidewalk; has invited bids. Enid, Okla,-City opens bids July 7

for improving Illinois avenue, Fort Payne, Ala.—Town Clerk ope bids July 1 for constructing cement side-

walks. Greensboro, N. C.-City opens bids July 5 for laying 2500 to 3000 square yards of

cement sidewalks. Grenada, Miss.-City opens bids July 5 for 1000 cubic feet of stone or concrete curb and 1000 linear feet of concrete drain.

Little Rock, Ark.—City opens bids July 11 for sheet-asphalt paving at various street intersections.

Longview, Tex.-City opens bids July 5 for street improvements.

Lynchburg, Va.—City is considering paving a portion of Rivermont avenue; estimated cost \$130,000.

Martinsburg, W. Va.-John W. Stewart and associates are inviting bids on several thousand square yards of macadam pavement, concrete curbs and gutters, cement sidewalks, etc.

Murphy, N. C.—City opens bids July 15 for constructing concrete sidewalks.

Pensacola, Fla.—Board of Public Works decided to pave 25 additional miles of concrete sidewalks.

Richmond, Va.-City opened bids June velopment Co. of New Orleans contem- 28 for paving on Monument street.

Richmond, Va.—City opened bids June 28 for smooth material roadbed on Monument street; appropriation \$20,000,

Sweetwater, Tex. - City will pave streets.

Towson, Md.—Baltimore county opens bids July 14 for improving Hillsdale road,

Towson, Md.—Baltimore county plans various road and bridge improvements, to include construction of solid concrete bed 400 feet long on Whitehall road at a cost of \$5000.

Tulsa, Okla,-City Engineer has completed plans for asphalt paving on 44 blocks

Wharton, Tex.-City contemplates paying Milam street.

Wheeling, W. Va.—City will invite bids for paving four blocks of Main street; estimated cost \$2500.

For Mississippi.

The Mississippi Land Improvement Association was organized last week at Jackson with Messrs. P. H. Saunders, Laurel, president; C. R. Bayne, Natchez, vice-president; L. E. Davis, Natchez, secretary-manager; Oscar Newton, Jr., Jackon, treasurer; D. A. Saunders, Starkville; J. C. Kyle, Sardis; W. A. Everman, Greenville: Henry Hart, Winona: William F. Gray, Meridian; H. A. Camp, Hattiesburg; L. L. Lampton, Magnolia, and P. L. Hennessey, Vicksburg, executive committee.

The Commercial Club of Byers, Tex., is organizing a \$15,000 company to drill for oil in Clay county, nearby.

RAILROADS

[A complete record of all new railroad outlding in the South will be found in the Construction Department. 1

OLIVER GETS HIS ROAD.

Savannah, Augusta & Northern Extension Financed and Work to Be Resumed.

W. J. Oliver of Knoxville, Tenn., telegraphs the MANUFACTURERS' RECORD confirming a previous report that he has financed the proposed extension of the Savannah, Augusta & Northern Railroad, but he says that it is not definitely decided that the objective point is Athens, Ga.

The Savannah, Augusta & Northern Railroad, which was built by W. H. Lynn and others of New York, has 25 miles of line out of Statesboro, Ga., with more than that graded. It was sold not long ago at receiver's sale and purchased by Mr. Oliver, who presented claims amounting to about \$300,000 for construction, he have ing been the contractor on the work. sequent to the sale there was some litigation, which is now settled, and construction will be resumed. W. A. Seymour of Knoxville has been appointed chief engi eer by Mr. Oliver, and it is reported from that city that C. S. McManus, who is associated with Mr. Oliver in the Knoxville, Sevierville & Eastern Railway, will become president of the Savannah, Augusta & Northern.

The original projectors of the Savannah, Augusta & Northern Railroad designed it to reach from Savannah, Ga., to Chattanooga, Tenn., and they began work at Statesboro. At present it seems that the extension work in view is designed to make a connection with the Seaboard Air Line to Atlanta, either at Athens, Elberton or some other convenient point in Georgia, and thus establish a short route between Atlanta and Savannah, entrance to the latter city to be effected over the Savannah & Statesboro Railway, if not by a connection with the Seaboard just outside of Savannah. If the proposed con nection with the Seaboard is made at Elberton. Ga., considerable construction would have to be done, but it would take the line through a region which is nov without adequate railroad facilities,

On the other hand, it might be possible to obtain connection with the Georgia Rail road at Warrenton by a comparatively short extension and reach Athens, or even Atlanta, over its track. The apparent in tention, however, is to make the contion direct with the Seaboard, although if made to Athens it would parallel the Georgia Railroad.

In connection with Mr. Oliver's acquisition of the Savannah, Augusta & Northern it is reported that the Knoxville, Sevierville & Eastern will probably be extended into North Carolina, and thence into Georgia as far as Thomson, Ga., which is only about 30 miles north of Louisville. to which point grading on the Savannah, Augusta & Northern has been completed. But this is only rumor, and if the latter road is extended to connect with the Sea board there would seem to be no reason for making an extension of the Knoxville line as far south as Thomson, but it would be better to make it meet the Savannah, Augusta & Northern at its connection with the Seaboard.

With the resumption of construction at Louisville it is probable that there will oon be some new developments concerning Mr. Oliver's plans.

DUKE'S ELECTRIC LINES.

Two Companies will Build and Operate Railways in the Two Carolinas.

The Piedmont Traction Co., says a re-

son, Greenville & Spartanburg Railway Co., recently formed in South Carolina, will be operated under the same manage ment and will provide an extensive and thoroughly equipped electric railway sys-The Piedmont Traction Co., of which W. S. Lee is president, has elected as vice-president and manager J. P. Clark, a civil and electrical engineer, who was lately elected general manager of the Anderson, Greenville & Spartanburg Company. He is a Michigan man.

This big plan is that which is backed by J. B. and B. N. Duke and others, who are interested in the Southern Power Co., which will supply the electricity to operate the railway, the actual construction of which is to be started as speedily as possible. While it is assured that the line in South Carolina will connect Anderson, Greenville and Spartanburg, and probably Abbeville and Greenwood, the North Carolina route does not appear to be fully settled upon. It is, however, reported that besides Charlotte, the line will reach Kings Mountain, Gastonia, Mt. Holly, Concord, Kannapolis, Salisbury, Lexington, High Point, Greensboro, Burlington, Graham, Haw River and Durham.

Subscriptions are being made by mill corporations and others to aid the enterprise, which is to be financed in part by n bond issue of perhaps \$2,000,000 or \$2,500,000. The subscriptions in South Carolina, so far as the cotton mills are concerned, are based on the rate of 25 cents per spindle. Thus one mill is reported to have subscribed for more than \$33,000, another \$15,000, another nearly \$11,000, besides various sums from other oncerns, some, however, being conditional.

An officer of the South Carolina company is reported as saying that approximately \$600,000 in subscriptions have already been received.

GRADING FINISHED.

Crystal City & Gardendale Completing a Forty-Mile Line in Texas.

The Crystal City & Gardendale Railroad Co., which is building about 40 miles of line from Crystal City to Gardendale, Tex. has, according to a press report, completed grading, the exact distance being 401/4 miles. Only one bridge of any importance will be required, and that over the Nueces River, but there will be altogether two steel bridges and 14 pile trestles. All contracts are let. Connection will be made with the International & Great Northern Railroad at Gardendale, and with the Crys tal City & Uvalde Railroad at Crystal City. The country through which the line

The officers are: President and general nanager. A. R. Ponder of Crystal City; vice-president, Mason Williams of San Antonio; chief engineer, Ernest Breaker; treasurer, W. F. McCaleb: secretary, H. L. Howard, both of San Antonio. All the foregoing excepting the chief engineer are directors, and the other members of the board are Adolf Groos, S. P. Brundage and Eli Howell, all of San Antonio.

New Equipment, Rails, Etc.

The San Antonio & Aransas Pass Railray is placing orders for 50 ballast cars, steam shovel and a Lidgerwood unloader. The company is also ordering some new rails, which will likewise be used in reonstruction work.

The Capital Traction Co., Washington D. C., is reported to have ordered 150 closed cars from the Jewett Car Co., Newark, O.

Te Seaboard Air Line confirms the report that it has ordered rails. The contracts amount to 15,000 tons of Dudley section, 75 pounds, open-hearth, to be delivered this summer. The Tennessee Coal Steel Co., Sparrows Point, Md., 3000 tons.

The Louisiana Railway & Navigation Co. has, it is reported, ordered two passenger locomotives from the Baldwin Works, Philadelphia.

The El Paso Electric Co. of El Paso Tex., according to a market report, contemplates purchasing some new cars and s preparing specifications.

The Southern Railway, says a report, will receive from the builders, beginning in September, 80 steel passenger coaches.

The Charlotte Harbor & Northern Railway Co. confirms the report that it has ordered 90 phosphate cars from the Barney & Smith Car Co. of Dayton, O.

The Shreveport Traction Co., Shreveort. La., has ordered three closed cars. 20 feet 8 inches long, from the American Car Co., St. Louis.

The Pennsylvania Railroad now has in ervice and under contract nearly 2000 pasenger cars built of steel. The construction of steel passenger cars for this road began three or four years ago, but at first only in a small way and as an experiment, yet within the past two years large orders for steel passenger equipment have been placed.

The McCrory & Beedeville Southern Railroad Co. of McCrory, Ark., is reported in the market for equipment.

The St. Louis, Brownsville & Mexico Railroad, it is reported, will purchase rails for 16 miles of track.

The Florida East Coast Railway is reported to have received bids to furnish 6000 tons of bridge steel for work on the Key West extension.

Horse Cave & Eastern.

Louis Edwards, 1463 Arlington avenue, St. Louis, Mo., who is promoting the Horse Cave & Eastern Railway Co., which is to build a line 25 miles long from Horse Cave to Edmonton, Ky., via Hiseville and Knob Lick, says that two bridges will be required, each of a single span, but their character and design is not yet decided. Arrangements are being made to have the engineering done next month. The proposed line will connect with the Louisville & Nashville Railroad at Horse Cave, and it will also intersect the proposed Louisville, Lincoln Farm & Mammoth Cave Electric Railway. The route is through generally rolling country, and there will be no particularly heavy work.

It is expected to organize the company ext month, and it is the object of the parties interested to finally extend the line 25 or 26 miles farther east to Burkesville. Ky., opening up a region that is now without railroad facilities, but which is rich in timber, coal and other natural resources The first 25 miles from Horse Cave to Ednonton will be in the heart of the burley tobacco district.

Block System on the Southern.

A bulletin just issued by the Interstate Commerce Commission, giving the mileage of railways in the United States operated by the block system on January 1. 1910, show: that 2080.1 miles of track on the Southern Railway, constituting 30 per cent. of the entire mileage of the system, is now equipped with this safety appliance. Included in this are the entire main line from Washington to Atlanta, and on to Birmingham, the line from Bristol to Chattanooga, that from Chattano to Atlanta and Macon and other important sections.

Aransas Pass Road Betterments.

A dispatch from Austin, Tex., quotes J. S. Peter, first vice-president and general manager of the San Antonio & Aransas Pass Railway, as saying that arrange

allotted 12,000 tons and the Maryland of new rails, and more will be laid later They will go on the line between Houston and Yoakum, Yoakum and Moulton, Kennedy and Skidmore. This new rail will take the place of 50-pound rail. but the 50-pound rail remaining in the track on other sections will be provided with continuous rail joints. Ballasting and ballast reinforcing are also begun, and the company will furthermore replace trestle bridges with permanent structures, this latter to be done as rapidly as possible. The company has also purchased several ocomotives and a number of cars.

Lexington & Eastern Extension.

The Lexington & Eastern Railway is extending its line about three miles from Jackson. Ky., up the main fork of the Kentucky River to the mouth of Quicksand Creek, which is also in Breathitt county. The contract for the work has been let to Chas. J. McKinney of Knoxville, Tenn., and will be completed in September.

A press dispatch says that the company is making a survey into Letcher county, Kentucky, going along the north fork of the Kentucky River, and on into the Elkhorn coal fields. F. D. Buskirk, heading the engineering corps, is quoted as saying that actual construction will begin there shortly.

Seaboard Busy in Florida.

The Seaboard Air Line, says an officer, has let contract to E. L. Anderson & Co. of Dunnellon, Fla., to build a line 18 miles long from Fruitville to Venice, Fla. The country is level, but about 1900 feet of trestles will be required.

The Scaboard is also doing two other pieces of work in Florida, one being a line from Nichols to Mulberry, about five miles. which the contractors are Burwell & Hillyer of Jacksonville, Fla. Another is an extension from Dunnellon to Hernando, approximately 13 miles, upon which the contractors are Kibler, Boswell & Co. of Dunnellon.

Traction Interests Change Hands.

The Tampa & Sulphur Springs Traction Co. of Tampa, Fla., has been sold to new interests, and a reorganization was effected by electing Walter L. Weston of New York, president; Peter O. Knight of Tampa, vice-president and general coun el; B. F. Hathaway, treasurer; C. Fred Thompson, secretary, the board of directors being completed by the election of A. G. Turner, C. C. Whittaker and C. O. Brewster. The former owners were Swann & Holsinger. It is surmised that Stone & Webster of Boston, who are largely interested in street-railway interests in various parts of the country, including the South, are back of the deal.

C. & O.'s Proposed Line to Chicago.

The Chicago, Cincinnati & Louisville Railway, which was sold at auction last week under an order of court, was bought in at the receiver's sale by the Chesapeake & Ohio interests, represented by Edwin Hawley, and the line is expected, as previously reported, to be connected up with the Chesapeake & Ohio to form part of a new through route from Chicago to the Chesapeake Bay. As yet, however, there has not een any official announcement concerning the proposed connection.

Norfolk Belt Line Double Track.

Referring to the report that the Norfolk & Portsmouth Belt Line contemplated extensions and improvements at Sewall's Point, an officer says that it has no new construction under consideration at present. It has, however, just about com-pleted three-quarters of a mile of double port from Charlotte, N. C., and the Ander- & Iron Co. of Birmingham, Ala., has been ments have been made for laying 100 miles track along the southern branch of the 1910.

later

Moul-

new rail, n the

asting

n, and

e tres-

s, this

ssible.

everal

on.

ay is

of the

Quick-

athitt

k has

Knox-

Sep-

nnany

ounty,

Elk-

ading

aying

fficer,

& Co.

miles The

et of

a line

miles.

ell &

other

Her-

upon swell

ds.

ction

new ected

t of

of A.

C. O.

wann

one &

inter-

rious

outh.

ago.

sville

last

ught

dwin

revi-

hesa-

s not

k.

rfolk

d ex-

vall's

new

com-

uble

Elizabeth River from the Virginian Railway crossing to the crossing of the Money Point branch of the Norfolk & Western Railway. On this line there is one trestle 200 feet long, in which is included on 25-foot I-beam span.

Improvements at Little Rock.

The St. Louis Southwestern Railway has begun grading at Little Rock, Ark., preliminary to erecting its new shops on East Arkansas avenue. There will be a roundhouse and a coal chute, the former to accommodate at least 10 engines. Coach sheds and several other structures will also be built. It is said that the appproximate cost of all the improvements there will be about \$1,000,000. The new passenger and freight depots are expected to be completed by August.

New Station for Cumberland.

The Baltimore & Ohio Railroad Co., says an official, expects to construct a passenger station at Cumberland, Md., but at present it has not awarded any contract, nor has it done any work in connection with the new building. Plans are now under way.

Railroad Notes.

The Oklahoma Central Railway, according to a dispach from McAlester, Okla., will be sold on July 12 at receivers' sale by order of the United States Court,

The Georgia & Florida Railway Co. announces the completion of its last link between Normantown and Swainsboro, Ga., and says that on July 1 it will begin passenger and freight service in and out of Augusta, Ga., establishing through trains all the way over the line from Augusta, Gn., to Madison, Fla.

A letter to the MANUFACTURERS' REC-ORD says that a movement is under way at Brownsville, Tex., and it is thought that arrangements are about completed for the St. Louis, Brownsville & Mexico Railway to extend its line into the lands of the Indiana Co-operative Canal Co., located a few miles east of Brownsville.

H. B. Gilbert, chairman of a committee of the Murray (Ky.) Commercial Club, says that the proposed electric railway will probably be called the Murray & Tennessee River Railway, and it will be 15 miles long from Murray to the river via the Pottertown clay mines. The route lies through rolling and level country, and about two or three small bridges will be required. Murray is on the Nashville, Chattanooga & St. Louis Railway.

MINING

Consolidates Coal Properties.

The Kentucky River Consolidated Coal Co. of Ashland, Ky., has incorporated, with an authorized capital stock of \$1,000,000. Its incorporators include John F. Hagor, president; J. W. M. Stewart, B. E. Whitman and James G. Serey, all of Ashland, and John M. Hopkins of Catlettsburg. Ky. With reference to the enterprise the Manufacturers' Record is informed that the new company assembles into one holding properties which have heretofore been separately owned by the same interests. Plans for development have not been decided.

S. W. Metzler, W. H. Martin and H. L. Robinson, all of Uniontown, Pa.; W. Wright and W. L. Wright of Connellsville, Pa., have incorporated the Webster County New River Coal Co., with a capital stock of \$100,000, to develop coal lands in Webster county, West Virginia.

It is reported that a Chicago syndicate is investing on an average \$100,000 a month on Arkansas lands.

LUMBER

[A complete record of new mills and building operations in the South will be found in the Construction Department.]

The Pine Products Co.

Application has been made at Savannah for the incorporation of the Pine Products Co., with a capital stock of \$500,000, and privilege to increase to \$1,500,000, for the purpose of manufacturing pine oils and byproducts, creosote, etc. It is announced that the company has acquired a refining plant at Hutchinson Island and a crude-oil plant at Collins, both of which will be enlarged, and an extensive creosoting plant erected on Hutchinson Island. Plans for the creosoting plant have already been prepared, it is said, the plant to have a capacity of treating 100,000 feet of lumber per day. It is stated that the company has secured options on timber lands which will provide sufficient timber to keep the plants in operation a number of years, and in addition expects to acquire other lands on the Savannah River. It is reported as intending to utilize the crude-oil plant at Collins as a feeder for the refining plant on Hutchinson Island, and will use its entire output of creosote at its creo soting plant. Among those interested in the enterprise are L. E. Campbell of the L. E. Campbell Lumber Co., Memphis, Tenn.; David A. Frayser, Tennessee; C. B. Brooks, Memphis; F. B. Stubbs, Savannah, and J. J. Malloney.

Buys Timber and Mill Interests.

A report states that the K. & P. Lum ber Co. of Cincinnati has reorganized, increased its capital stock from \$75,000 to \$1,000,000 and has acquired the Sullivan-Sanford Lumber Co. of Naples, Tex. The properties transferred are said to include about 40,000 acres of oak and red-gum timber, three band mills and 26 miles of standard-gauge railroad extending from the Cotton Belt Railroad to the sawmills. It is stated that important improvements are contemplated at the Naples plants, including the construction of five miles additional railroad, the establishment of another band mill and other facilities. The band-saw mill of the K, & P. Lumber Co., located at Tallega, Ky., will probably be removed to Naples also. Officers of the company are: Max Kosse, president; F. T. Atkinson, treasurer; T. V. Shoe, secre-tary; Edgar L. Walker, assistant secretary, and W. H. Schlever, sales manager.

Will Establish Plants.

The incorporation of a new company capitalized at \$1,000,000 for the purpose of establishing and operating a sawmill, planer, woodworking plant, finishing plant and other facilities at Bond, Miss., has recently been announced. This is the Bond Lumber Co., and among its incorporators are Z. D. Davis, president of the Capital National Bank; C. A. Alexander and Jas. A. Alexander, all of Jackson, Miss., and associates. In connection with the enterprise the Manufacturers' Record is advised that details regarding the plans of the company have not been determined. Late reports announce, however, that it has purchased the properties of the J. E. North Lumber Co. for a consideration of \$795,000.

Wants to Buy Lumber.

The Mound City Floor & Art Co., 1834 Locust street, St. Louis, Mo., is in the market for 500,000 feet of oak lumber, 2½-inch and 3-inch No. 1 common plain sawed plank.

Buys 6000 Acres.

The Hampton (Ark.) Stave Co. is reported to have purchased 6000 acres of 704,895 a year.

timber land in Union county, Arkansas, for development. It is estimated that the property will cut about 5,000,000 feet, and it is said to be the intention of the company to establish a mill at Griffin, Ark., and ship the lumber to Hampton for manufacture into staves and spokes.

Manufacturers of Red Cedar.

C. R. Williams of Silver Hill, N. C., wants addresses of red-cedar manufacturers and dealers.

The Norfolk (Va.) Builders' Exchange has re-elected A. Christe secretary.

PHOSPHATE

Fertilizer Plant for Midville, Ga.

Organization of the Midville Fertilizer Co., with a capital stock of \$100,000, to establish a plant at Midville, Ga., for manufacturing acid phosphates, has been announced. It is the company's intention to install a plant of 20,000 tons capacity and to promote the establishment of mixing plants at points on the Georgia & Florida and Central of Georgia railroads, Davidsboro and other places, the Midville company to supply them with acid phosphate. A site of 30 acres of land has been secured for the plant, and bids will be invited for equipment as soon as plans and specifications are prepared. W. W. Abbot, president of the Abbot Manufacturing Co., Louisville, Ga., and Col. A. W. Jones of Midville are interested in the enterprise.

The Central Chemical Co.

For the purpose of establishing a manufacturing plant at some city on the Atlantic Seaboard not yet determined, the Central Chemical Co. of Hagerstown, Md., has incorporated with a capital stock of \$150,000. Its incorporators are Franklin M. Thomas, G. Milton Thomas and Albert M. Long.

For Rebuilding Textile Machinery.

An enterprise that will be of considerable importance in connection with the textile manufacturing industry of the South will be established at Charlotte, N. C. It will comprise a modern machine shop for repairing and rebuilding all kinds of textile machinery, and will be an extension of the facilities of Messrs. Alexander & Garsed. This firm is composed of S. B. Alexander, Jr., and E. T. Garsed, who have been handling and rebuilding cottonmill machinery for some years. They will erect a 100x150-foot building and equip it with modern machinery. Contracts have been awarded for building and machinery. Reports state that about \$100,000 will be expended.

Big Gas Well.

[Special Cor. Manufacturers' Record.] San Antonio, Tex., June 23. A gas well having few, if any, betters,

A gas well having few, if any, betters, was struck a few days ago on the property of the Producers' Oil Co. in Webb county, south of this city. The well has a capacity of no less than 25,000,000 cubic feet per day, a supply sufficient to take care of a city of 1,000,000 inhabitants and more. The pressure of the well is so great that an axe laid edge downward across the casing was blown in the air to a height of 15 feet. Nine other wells are said to be doing equally well.

Memphis Industries.

Mr. W. F. Clendenin has compiled for the bureau of publicity in the development of the work of the Business Men's Club of Memphis statistics showing in the city 453 industrial establishments, representing an investment of \$46,918,209, employing 21,535 persons at an aggregate wage of \$8,723,677 annually, and doing a business of \$50,704,895 a year.

TEXTILES

[A complete record of new textile enterprises in the South will be found in the Construction Department.]

Correspondence relating to textile matters. especially to the cotton-mill interests of the Scuth, and items of news about new mills or enlargements, special contracts for goods, market conditions, etc., are invited by the MANUFACTURERS' RECORD. We shall be glad to have such matters at all times, and also to have any general discussion relating to cotton matters.

Georgia Industrial Association.

The Georgia Industrial Association at its annual meeting elected Messrs. Chas. D. Tuller, Atlanta, president; Fuller E. Callaway, Lagrange, vice-president; H. L. Johnston, Fairburn, secretary and treasurer; H. P. Meikleham, Lindale; J. L. Hand, Pelham; L. C. Mandeville, Carrollton; E. W. Swift, Columbus; J. J. Spalding, Atlanta; Chas. D. Tuller, Atlanta, and Fuller E. Callaway, Lagrange, executive committee; Dr. Jeff Davis, Toccoa; S. A. Carter, Atlanta; F. B. Gordon, Columbus; B. F. Walker, Monroe, and B. M. Stallworth, Gainesville, legislative committee.

At the meeting held at Brunswick addresses were made by Lewis W. Parker, Greenville, S. C., on the necessity and advantages of co-operation; by President J. J. Spalding, Atlanta, reviewing the year, and reports were made by Chairman S. C. Dunlap, Gainesville, of the legislative comittee; Chairman J. P. Verdery, Augusta, of the executive committee, and Secretary and Treasurer Charles D. Tuller, Atlanta.

The Cotton Movement.

In his report for June 24 Col. Henry G. Hester, secretary of the New Orleans Cotton Exchange, shows that the amount of cotton brought into sight during 297 days of the present season was 10,086,484 bales, a decrease under the same period last year of 3,218,628 bales. The exports, less 52,292 bales returned from abroad, were 5,753,679 bales, a decrease of 2,376,657 bales. The takings were, by Northern spinners, 1,958,308 bales, a decrease of 652,248 bales; by Southern spinners, 2,144,953 bales, a decrease of 83,345 bales.

Wants Cloth for Handkerchiefs.

The Teague Manufacturing Co., Teague, Tex., wants to correspond with manufacturers of cloth suitable for work handkerchiefs

The Armon Manufacturing Co.

The Armon Manufacturing Co. of Mountain Island, N. C., has incorporated and will continue the operation of the W. & J. Knox Net & Twine Co.'s mill, which it purchased recently.

Textile Notes.

The recent report that the Williamston (8, C.) Mills contemplates doubling plant was erroneous. The company is not planning enlargements.

The Priscilla Mills of Meridian, Miss., will increase capital stock to \$130,000 and enlarge plant. This company now has 100,000 knitting machines, dyeing and finishing equipment, etc.

The Chamber of Commerce of Macon, Ga., is interested in the proposed establishment of a camel's-hair press-cloth mill. A. Cameron of Vass, N. C., is reported as to organize a company for completing the Vass cotton mill previously under construction.

The State Department of Agriculture of South Carolina has issued a bulletin by Prof. A. G. Smith of the bureau of plant industry of the National Department of Agriculture, discussing practically the question of drainage in South Carolina.

MECHANICAL

Built for Iron Workers.

The need in shipyards for a machine to cut square or mitred the various channels and angles required for shipbuilding purposes has been met by the machine shown in two accompanying views.

While especially built for the marine department of the Maryland Steel Co. of Sparrows Point, this machine is intended for any class of iron workers. It is provided with a coping attachment at one end plunger may be stopped in any point of its down stroke.

The plates for supporting the angles or channels while being cut are so placed that they are out of the way of plates while being sheared as the latter pass under them.

The machine illustrated weighs about 23 tons. It is driven by a 25-horse-power electric motor, and is manufactured by the Covington Machine Co. of Covington, Va.

Derrick for Heavy Freight.

The derrick herewith illustrated was of the machine, a plate shear at the other, made by the American Hoist & Derrick Co.

loading platform at the Minneapolis

freight depot of Minneapolis, St. Paul & Sault Ste. Marie Railway. The derrick

has a capacity of 15 tons, and is capable of three motions-raising or lowering the

load, raising or lowering the boom, and

swinging. All motions performed by elec-

tric power from an alternating-current cir-

cuit. The boom can swing a full circle in

either direction any number of times de-

The machinery consists of a 22-he

The radius is variable, from 10 to

venient location, so that the operator can ee the work at all times. As a precaution against the possible

lack of electricity, should the power line fail, there is a hand-power double-drum crab mounted on the back of the mast that will easily pull as much as the electric hoist. Should the electricity so fail them they could take the rope from the drums of the electric hoist, wind it on the crab and operate by hand power.

The motor on this hoist is a General Electric alternating current motor, ITC 5009, 22 horse-power, variable speed, and is direct connected to the hoist.

The derrick has a mast of 40 feet and a oom of 30 feet. All members are of structural steel. The steel stiff legs are so constructed that the boom will pass under them in any position and make a complete circle. These stiff legs have steel "A" frame supports that, due to the small allowable space, are very narrow and have large

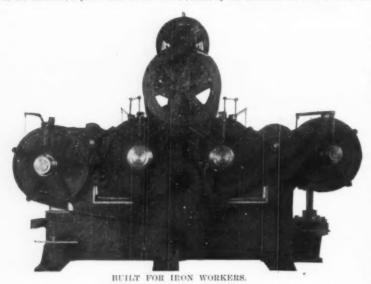
All foundations are of concrete, and be ause of the large stresses have to be quite large to prevent overturning.

The electricity is delivered from the line and passes under ground through the mast foundation up through the center of the mast pivot to some contact rings, and from there to the motor. These contact rings are so constructed that the mast can swing

illustrating ejectors having a working capacity of 30 gallons to 1000 gallons per minute. Plans were on view of a city in which no fewer than 85 ejector stations will be installed (for which Messrs, Mor, ritt & Co. are now estimating), which will be operated from a central compreplant

Blueprints of the sewage-disposal plant howed automatic dosing siphons for sprinkling filters, sand filters and aerlock slu'ceways for contact bed operation, Other drawings illustrated a method of control under Priestman-Beddoss patents, by which the use of special operating chambers is dispensed with, and under which it is feasible to feed sand and other types of filters in rotation.

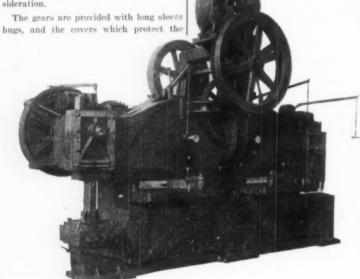
Attention was attracted to a working nodel in glass of a recent invention by II. D. Moise of Sumter, S. C., for insuring the positive action of ordinary sewer flush tanks. Feed water to the tank is passed through a specially-constructed orifice, which causes air to be drawn from a point above the maximum water level and to be injected into the short leg of the siphon. This attachment permits a flush tank to fill at a slow rate, causing the sewers to be flushed economically (say, three times each week) without danger that, in consequence of such a slow feed, the siphon will 'weep" and waste water instead of trip and



and two angle shears operating at an angle | of Minneapolis for installation on an unof 45 degrees in the center of the frame. The latter have a capacity for cutting up to 15x%-inch channels and 6x6x1 or 8x8x34-inch angles. The plate shear has a capacity for one-inch material. Each shear is controlled by its own clutch, and the machine may be operated by different groups of men, all working at the same time and without interfering with each other.

pendulums frame, plungers, The lubrication has been given especial consideration

clutches and all parts subject to shock are made of semi-steel castings. Hammered steel shafts containing 4 to 5 carbon are used for the shafts, and the question of



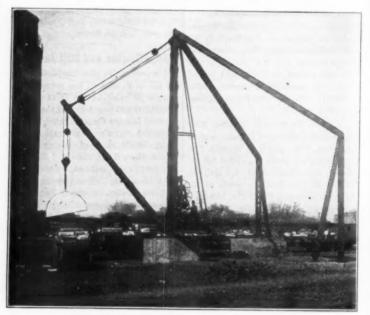
30 feet

BUILT FOR IRON WORKERS.

in turn, support the shafts, which have bearing surfaces throughout their length.

A patent stop motion is used, which automatically throws out the clutch on each shear when it reaches its bighest point. For the coping attachment, which rolling reversing frictions through gearing may also be used for punching, the stop to an eight-inch diameter bull gear. All vania at Harrisburg on June 1, 2, 3 and mechanism is adjustable, so that the operating levers are banked in a conmechanism is adjustable, so that the the operating levers are banked in a con-

gears are bored to receive them. The gears, | power electric hoist, with two drums and a swinging or slewing attachment, the whole being mounted on a platform attached to the mast. Both drums are operated by the celebrated "American" friction clutch, and the slewing is operated by



DERRICK FOR HANDLING HEAVY FREIGHT.

New Method of Raising Crude Sewage

Publicity has recently been given to a new method of raising crude unscreened sewage by means of measured charges of compressed air, used expansivley. The appliance by which this is accomplished is known as the Priestman ejector, and it has been adopted by the Pennsylvania Railroad Co. for 10 sewage-lifting stations at its new terminal in New York city

In addition to the economy effected by operating an automatically-timed air cutoff valve that effective use is made of the momentum of the outgoing sewage, the ejector is unique in that its operation dispenses with the employment of floats or other mechanism in contact with sewage. Merritt & Co., Camden, N. J., have quired the patent rights covering this invention, and are making installations for handling sewage under a wide range of onditions.

A Priestman ejector automatic cut-off alve was exhibited at the annual convention of the Engineers' Society of Pennsyl-

as many times in either direction as de-, flush when the required volume has accumulated in the tank.

The glass model enabled visitors interested in water economy to satisfy themselves of facts which have been proved in every-day service, viz., that the entrance of feed water to the tank insures an abundant supply of air within the short leg (or bell) of the siphon, and hence there is no possibility of water passing through until the siphon flushes.

A further advantage of this device is that by its means the successful action of a flush tank is not interfered with on account of conditions within the sewer causing different amounts of water at different times to be retained in the trap or seal of a siphon. This was demonstrated by withdrawing water from the trap. The injected air being thus free to escape through the long leg of the siphon, water passed over from the tank and refilled the trap. after which the injected air effected its required purpose, and when the water reached the tripping level the tank flushed as usual.

er m al ri Ol W

It is stated that this air jet application has been broadly patented, and it is expected that its introduction will popularize the employment of automatic sewer flush

1010

ing ca-

city in s. Merich will

pressor

l plant ns for aerlock

ration

hod of natents.

erating

under d other

by H.

ing the

r flush passed orifice, a point

d to be

siphon. ank to

vers to

e times

conse rip and

Construction Department

TO OUR READERS!

In order to understand and follow up properly the Construction Depart-ment items, please bear in mind the following statements:

FYPLANATORY

The Manufacturers' Record seeks to verify every item reported in its Construction bepartment by a full investigation and complete correspondence with everyone interested. But it is often impossible to do terested. But it is often impossible to do
this before the item must be printed, or else
lose its value as news. In such cases the
statements are always made as "rumored"
or "reported," and not as positive items of
news. If our readers will note these points
they will see the necessity of the discrimination, and they will avoid accepting as a certainty matters that we explicitly state are
"reports" or "rumors" only. We are always
glad to have our attention called to any
errors that may occur.
In correspondence relating to matters reported in this paper, it will be of advantage
to all concerned if it is stated that the information was gained from the MANUFACTUBERS' RECORD.

ADDRESS FULLY

ADDRESS FULLY

To insure prompt delivery of communications about items reported in these columns, the name of one or more incorporators of a newly incorporated enterprise should be shown on the letter addressed to that town, or to the town of the individual sought, as may be shown in the item, as sometimes a communication merely addressed in the corporate or official name of a newly established company or enterprise cannot be delivered. porate or omeial name of a newly established company or enterprise cannot be delivered by the postmaster. This will help to insure prompt delivery of your communication, although it is inevitable that some failures on the part of the postal authorities to deliver mail to new concerns will occur.

WRITE DIRECTLY

It is suggested to advertisers and readers that in communicating with individuals and firms reported in these columns, a letter written specifically about the matter re-ported is likely to receive quicker and surer attention than a mere circular.

The Daily Bulletin of the Manufacturers' Record is published every business day in the year for the purpose of giving the earliest possible news in regard to new industrial, railroad and financial enterprises organized in the South. It is invaluable to contractors, manufacturers, engineers and all others who want to get in touch at the earliest moment with new undertakings or the enlargement of established enterprises. The subscription price is \$25 a year. All advertising contracts in the Manufacturers' Record extending over a period of three months include a subscription for the length of time of the contract to the Daily Bulletin. The Daily Bulletin of the Manufac-

BRIDGES, CULVERTS, VIADUCTS

Ala., Demopolis.—Jesse B. Hearin, secretary Business League, may be addressed relative to proposed bridge across Warrior River; structure 341 feet long, with 54-foot span and 18-foot steel tower at each end; trestles 185 feet and 200 feet long will continue from each end of tower; total length of bridge, 865 feet; roadway, 18 feet in clear; foundations on firm bed of rock, with concrete substructure; cost \$25,000 ture; cost \$35,000.

Ala., Mobile.—Board of Public Works will onstruct concrete viaduct. (See "Road and Street Work.")

Ark., Little Rock.—City will construct concrete bridge or culvert at 19th and Commerce Sts. and at 4th and Spring Sts.; will also repair storm sewer in front of auditorium rink; bids to be opened July 11; F., M. Oliver, clerk of board. (See "Machinery Wanted.")

Fla., West Palm Beach.—Palm Beach County Commissioners will construct bridge across Loxahatchee River at Jupiter; bids to be opened July 5. (See "Machinery

Ga., Cairo.—Grady County Commissioners awarded contract to Ronnoke Bridge Co., Ronnoke, Va., for construction of proposed 420-foot bridge across Ochlochee River; cost

Ga., Cedartown. — Polk County Commissioners rejected all bids for construction of three small concrete bridges previously noted; will probably call for new bids; J. L. Moore, chairman Commissioners Roads and Revenues.

Ga., Morgan County.-Morgan County Com missioners awarded contract to Roanoke Bridge Co., Roanoke, Va., for erection of proposed 340-foot bridge across Hard Creek;

Ga., Newnan.—Coweta and Carroll countles will erect highway bridges across Chattaboochee River at Moore's Ferry; main structure 300 feet, and two bridges 300 feet each; bids asked; H. C. Glover, chairman. (See "Machinery Wanted.")

Ky., Catlettsburg.—Boyd county will construct abutments for Iron bridges across East Fork and White's Creek and culvert at Ford Hollow; bids to be opened July 5; Alex. Johnson, road and bridge supervisor. (See "Machinery Wanted.")

Ky., Horse Cave.—Horse Cave & Eastern Railway Co., Louis Edwards, promoter, 1463 Arlington Ave., St. Louis, Mo., will construct two single-span bridges.

Miss., Vicksburg.-Warren county will construct steel and concrete bridge over slo near Fisher's Ferry; blds to be opened . 5; J. D. Laughlin, Clerk. (See "Machi Wanted.")

Mo., St. Louis.—Board of Public Improve-ments, Room 300 New City Hall, awarded con-tract to Wm. P. Carmichael Company, Ful-letton Bidg., St. Louis, at about \$336,000 for construction of Kingshighway viaduct previconstruction of Kingsnignway viaduct previously noted; reinforced concrete structure 90 feet wide, 1850 feet long, consisting of one 170-foot, two 140-foot, 12 25-foot concrete arches, and remainder of reinforced concrete retaining walls; viaduct crosses Mill Creek

Valley, main arches being over seven tracks of Missouri Pacific Railway.

N. C., Laurinburg.—Road Commission, Stewartsville township, Scotland county, will open bids and plans July 11 at office of M. L. John for construction of seven reinforced concrete arch bridges; two 30-foot span, 16-foot roadway; three 30-foot span, 12-foot roadway; two 14-foot span, 12-foot roadway. (See "Machinery Wanted.")

(See "Machinery Wanted.")
N. C., Weldon.—Atlantic Coast Line Railroad, E. B. Pleasants, chief engineer, Wilmington, N. C., will construct continuous steel viaduct through Weldon and across Roanoke River; length 3700 feet; concrete abutments, piers and pedestals; 90 feet above ordinary level of river; require 15,000 cubic yards of concrete and 2000 tons of steel; elevated nassenger station platform, connected vated passenger station platform, connected with passenger station, to be erected, by covered stairway; baggage and express to be conveyed by elevator.

Okla., Muskogee. — Muskogee county will tote July 23 on issuance of \$100,000 bridge and road bonds. Address County Commis-

Okla., Tulsa.—Tulsa County Commission-ers awarded contract at \$78,174 to Canton (O.) Bridge Co. to construct 28 steel and concrete bridges.

S. C., Gaffney.—Cherokee county will repair three-span iron bridge across Broad River and rebuild approaches; latter to be of steel on concrete foundations; bids to be opened September 5; E. Felix Lipscomb, County Supervisor. (See "Machinery Wanted.")

Supervisor. (See "Machinery Wanted.")
S. C., Greenville.—Bridge Commission will open bids about July 20 for erection of bridge across Reedy River; Jaudon Engineering Co., Savannah, Ga., which has been engaged to superintend construction, has completed general plans; bidders to complete detai's and submit bids in accordance; bond issue of \$200,000 voted for bridge and paving; C. V. Downing of engineering company will be resident engineer. (Recently mentioned. See "Machinery Wanted.")

Tenn., Memphis.—Memphis Union Station

Tenn., Memphis.—Memphis Union Station Co., J. L. Lancaster, president, awarded contract to J. A. Omberg, Jr., Memphis, to construct proposed concrete viaduct from Railroad to Calhoun Ave.; estimated cost, \$80,000.

Tex., Dallas.-Commissioner Doran recommended bid of Standard Bridge & Construc-tion Co. of Dallas at \$900 for construction of concrete bridge over Cedar Creek at Ewing Ave.; J. B. Winslett, City Secretary. (Recently mentioned.)

Va., Covington.—Alleghany county awarded contract to Roanoke (Va.) Bridge Co. to construct 14 steel bridges; four structures over Potts Creek, two over Dunlap Creek, two over Wilson Creek, two over Karnes

Creek, two over Jackson River and one at Indian Draft; work will require 2000 yards concrete for piers, abutments, etc.; 5200 yards of earth fill, 3400 yards of cut and 3000 yards

Va., Keyser. - Town Council ordered construction of iron wagon bridge across New Creek at Point of Rocks from Water St.

CANNING AND PACKING PLANTS

Ala., Florala.—Farmers' Canning & Pre-serving Co. incorporated with \$100,000 capital stock by J. P. Davis of Florala, W. A. Little of Albany, Ga., and P. A. Davis of Washing-

CLAYWORKING PLANTS

Ark. Tex., Texarkana — Brick. — Buffalo Brick Co., Buffalo, Kans., does not at present contemplate building brick plant recently re-

Ga., Gordon—Brick and Sewer Pipe.—Wal-ter M. Lee, secretary Citizens' Committee, advises organization of company is contem-plated to establish brick and sewer-pipe plant.

Tex., Wichita Falls—Bricks.—Northwestern Brick Co, is name of plant recently noted to be established by O. A. Kentner and J. B. Paul; Mr. Kentner is president and manager; Mr. Faul (of Kansas City, Mo.), secretary; J. A. Kemp, vice-president; T. C. Thatcher, treasurer; will open proposals July 5 on erection of 30x110 and 40x59-foot fireproof buildings to cost \$25,000; Mr. Jenkins, Sapulpa, Okla., construction engineer; brick machinery and power-plant to be installed; machinery bids opened July 5; cost of plant, complete, \$100,000; daily capacity 100,000 building bricks. (See "Machinery Wanted.")

Va., Bristol—Brick.—Kingsport Brick Corporation Incorporated with \$50,000 capital stock; J. D. Whitaker, president, Atlanta, Ga.; F. E. Mahan, vice-president, Rome, Gn.; F. G. Williams, secretary-treasurer, At-

COAL MINES AND COKE OVENS

Ky., Ashland.—Kentucky River Consolidated Coal Co. Incorporated with \$1,000,000 capital stock by John F. Hager, J. W. M. Stewart, B. E. Whitman and Jas. G. Serey of Ashland, and John M. Hopkins of Catlettsburg, Ky.; company combines coal properties heretofore held separately; development plans not mature; John F. Hager, procedure.

Md., Cumberland. — Georges Creek Basin Coal Co., J. F. Fields, president, Box 453, will make improvements to plant reported damaged by storm; contemplates expenditure of \$20,000; machinery bids opened July 20; address proposals to A. C. House, general manager; mine eight miles from Cum-

Okla., Poteau.-Poteau Coal & Mining Co Okla., Poteau.—Poteau Coal & Mining Co. incorporated with \$200,000 capital stock by W. A. Campbell and E. T. Alexander of Poteau; G. G. Gheen, Kansas City, Mo., and J. M. Thompson, Drakesboro, Ky.; will take over and operate mining property near Poteau; daily capacity, 500 tons coal.

W. Va., Doddridge County.—Melanca Coal Co. incorporated with \$150,000 capital stock by D. D. Johnson, W. H. Helmy, H. L. Robin-son, Lee Smith, all of Uniontown, Pa., and

W. Va., Morgantown.—Baden Land Co. in-corporated with \$25,000 capital stock by Au-gust Boehler, J. A. Kamucerer, Leopold Sigwart and others

W. Va., Sullivan.—Wood-Peck Coal Co. in-corporated with \$35,000 capital stock by J. A. Wood, W. W. Koiner, G. G. Wood and others.

Wood, W. W. Kolner, G. G. Wood and others. W. Va., Webster County.—Webster County New River Coal Co. incorporated with \$100,000 capital stock by S. W. Metzler, W. H. Martin and H. L. Robinson, all of Uniontown, Pa.; W. Wright and W. L. Wright of Connelisville, Pa.

CONCRETE AND CEMENT PLANTS

Tex., Quanah.—American Cement Plaster Co. is having plans prepared for construction of mill and cement plant under supervision of N. B. Parr; all steel construction.

COTTON COMPRESSES AND GINS

Ark., Jericho.—Jericho Gin Co. incorpora-ted with \$6000 capital stock by B. D. Hol-land, A. B. Shafer and Fred B. Jones.

Ark., Morrilton.—Morrilton Cotton Ware-house Co., C. C. Burrow, president, has pur-chased machinery for compress recently noted; sheds erected; machinery purchased; daily capacity 1200 bales of cotton.

daily capacity 1200 bales of cotton.

Ga., Cordele.—Central Oil & Fertilizer Co.,
R. L. Wilson, president, will erect 42x65-foot
building of fireproof construction: cost \$2500;
construction by company; will install eightstand ginnery; cost \$4800; daily capacity
100 bales of cotton. (Recently noted.)

Ga., Donalsonville,-J. L. Dickenson's corebuild cotton gin reported burned.

Miss., Charleston.—Charleston Storage & Compress Co. incorporated with \$30,000 capi-tal stock by W. G. Harvey, S. J. Baker and

others.
S. C., West Union. — Strother & Phinney will make improvements to cotton gln; install eight gins to replace four now being operated, etc.

Tex., Falls City.—Schulz Gin & Milling Co, incorporated with \$15,000 capital stock by J. G. Schulz, J. W. Moozygemba and others.

Tex., Lockhart,—John T. Allen and George Valton will establish three-stand cotton gin.

Tex., McKinney.—Griffin Gin Co. will erect fin; steel construction; operated by elec-ricity from city's plant.

Tex., Taylor.—Thrall Gin Co. Incorporated with \$20,000 capital stock by G. E. King, Charles S. Stauffer, Fritz Fuchs and others.

COTTONSEED-OIL MILLS

Ark., Murfreesboro.—Pike County Cotton Oil Co. incorporated with \$25,000 capital stock by J. F. Davis (president), J. N. Riley, M. A. Davis and others.

Ga., Atlanta. — Buckeye Cotton Oll Co. main office, Cincinnati, O.) will erect addi-tion to factory and warehouse; cost \$5000.

Ga., Louisville.—Abbot Manufacturing Co., W. W. Abbot, president (recently organized to take over oil mill and fertilizer business of Louisville Manufacturing Co.) reported interested in proposed acid-phosphate plant at Midville. (See "Fertilizer Factories," Ga., Midville.)

Ga., Thomaston.—Upson County Oil Mill will make improvements.

N. C., Albemarle.—Imperial Cotton Oil Co., Statesville, N. C., is reported as considering establishment of cotton-oil mill.

N. C., Mooresville.—Imperial Cotton Oil Co., Statesville, N. C., is arranging to estab-lish cotton-oil mill.

N. C., Mt. Glead.—Mt. Gliead Cotton Oil
Co. is name of company (F. McAulay and
others recently noted as promoters) to establish \$20,000 coton-oil mill; capital stock,
\$125,000; will crect brick buildings; machincry partly purchased. (See "Machinery
Wanted.")

Tex., Galveston.-Anchor Milling Co., 34th Tex., Galveston.—Anchor Milling Co., 34th and Postoffee Sts., incorporated with \$25,000 capital stock; H. W. Hildebrand, president; E. W. Hildebrand, secretary; Fred W. Catterall, treasurer; will continue established cotton-oil mill; increase capacity from 120 to 250 tons daily; erect addition, etc.

DRAINAGE AND IRRIGATION

Miss., Greenwood. — City will construct drainage system; bids to be opened July 5; Gid Montjoy, Sr., Mayor. (See "Machinery Wanted.")

Tex., Lamarque.—Drainage District No. 2 of Galveston county will vote July 16 on issuance of bonds for construction of drainage canals; estimated cost, \$45,000. Address County Commissioners at Galveston, Tex.

Tex., Pearland.—Pearland Drainage Dis-trict voted \$124,000 bond issue for construc-tion of drainage system; district comprises 54,000 acres. Address Drainage District Com-

Tex., Wharton.—Wharton County Commissioners' Court authorized formation of Wharton County Drainage District No. 1, to comprise 120,000 acres of land adjacent to Trespalacios, Blue and Carancahua creeks; John A. Norris appointed engineer in charge

ELECTRIC LIGHT AND POWER

Ala., Abbeville.—Abbe Light & Power Co. incorporated with \$6000 capital stock; J. S. Pollard, president; J. L. Bodiford, vice-president; C. J. Owens, secretary-treasurer.

Ark., Imboden.—Mrs. Jennie Nash, Jones-boro, Ark., purchased electric-light and water plant from People's Bank; will make

ved in trance abunis no until

tion of on acfferent al of a with he in-

passed trap. its rewater lushed

rough

cation ularize flush improvements and operate. (Recently purchased by People's Bank as stated.)

Ark., Monte Ne.—City is not erecting electric-light plant; contract recently incorrectly noted awarded by city; Clubhouse, Hotel & Cottage Co. is installing plant.

Ark., Ola.—City is considering electriclight plant, to be municipally owned or operated under franchise granted by city; M. L. Martin, Mayor.

Ark., England.—Richwoods Gin Co. Increased capital stock from \$10,000 to \$25,000; proposes to construct electric-light plant and water-works.

Ky., Whitesburg. — Jesse L. Comann of Whitesburg Telephone Co. will, it is reported, construct electric-light system.

Miss., Collins.—City will install additional equipment in electric-light plant; bids have been received for machinery and contract will soon be awarded. Address The Mayor.

Mo., Fairfax.—Fairfax Light, Heat & Power Co. Incorporated with \$5000 capital stock by William F. Ranken, William F. Marshall and E. C. Whitford.

Mo., Illmo.—Illmo Light & Power Co. incorporated with \$4000 capital stock by J. H. Beisswingert, John S. Norman, D. T. Doty and others.

Mo., Kansas City.—Electric Power Co., recently noted, should have been "Electric Powder Co." (See "Miscellaneous Manufacturing Plants.")

Mo., Savannah.—Savannah Electric Light & Power Co. incorporated with \$15,000 capital stock by F. C. Barrington, William A. Evans and G. L. Zwick.

N. C., Durham.—Board of Aldermen granted 60-year franchise to Southern Power Co., Charlotte, N. C., to furnish electric light and power to Durham and West Durham; reported auxiliary 10,000 horse-power steam plant will probably be built.

Okla., Foraker.—City voted issuance of \$5000 of bonds for construction of electriclight plant. Address The Mayor.

Tex., Nacogdoches.—City is considering construction of electric-light plant to be operated in connection with water-works; has instructed fire committee to secure estimates. Address The Mayor.

Tex.—Terlinqua.—Chisos Mining Co. will install electric-light plant.

Va., Bedford City.—City will open bids July 13 for construction of hydro-electric plant on James River, near Big Island; also transmission line to Bedford City (about 25 miles) and for furnishing and installing machinery for substation; \$100,000 bond issue voted; Francis R. Weller, Hibbs Bidg., Washington, D. C., is engineer; T. C. Dennis, D. R. Gills and A. W. Robertson, Committee on Light, (Recently mentioned. See "Machinery Wanted.")

Va., Staunton.—City awarded contract to Staunton Lighting Co. to furnish electric lighting at annual cost of \$6000; power will be furnished by new machinery to be installed at company's power plant with auxiliary to be installed in municipal plant.

FERTILIZER FACTORIES

Ala., Eufaula.—Company is being organized with H. L. King, president, to establish guano factory; cost \$12,500.

Ga., Crawford.—Crawford Guano Co. will double capital stock, erect factory building and install additional machinery.

Ga., Quitman.—Standard Fertilizer Works incorporated by J. W. Oglesby, H. W. Stubbs, O. K. Jelks and others.

Ga., Midville.—Midville Fertilizer Co. organized with \$100,000 capital stock to establish acid-phosphate plant; secured 30-acrelot; estimated capacity of plant, 20,000 tons; W. W. Abbot, president Abbot Manufacturing Co., Louisville, Ga., is in charge of establishment of plant; when plans and specifications are drawn machinery bids will be asked. (See "Cottonseed-oil Mills," Ga., Louisville.)

Md., Hagerstown.—Central Chemical Co. incorporated with \$150,000 capital stock to manufacture fertilizers; Franklin M. Thomas, president; G. Milton Thomas, treasurer; W. Newion Long, secretary; location of plant producted.

N. C., Sheiby.—Southern Cotton Oil Co., 24 Broad St., New York, will enlarge fertilizer factory; install new mixing machines, increase sacking capacity, erect additional story, etc.

S. C., Charleston.—Germofert Mfg. Co. (recently noted awarding contract to I. F. Lanier, Charleston, for erection of addition to plant) will erect one-story building; 500x 50 feet; rubberoid paper roofing; install mills for crushing phosphate; daily capacity several thousand tons of dry mixed fertilizer

and storing about 30,000 tons of mixed stuff.

S. C., Chester.—Swift & Co., Chicago, Ili., will, it is reported, establish fertilizer mixing plant; one story; 20 feet high; 100x300 feet; awarded contract for 378,400 feet of lumber and 100,000 bricks to be used in construction, which will probably be under supervision of company's own contractor.

S. C., Sumter.—Farmers' Fertilizer Co. will probably be name of company recently noted to be organized by Henry J. Harby and others; capital stock, \$10,000; will install acidulated dry mixing plant and manufacture ammoniated fertilizers.

Va., Chincoteague.—Coast Fishing Corporation, Reedville, Va. (recently reported incorporated with \$200,000 capital stock to establish menhaden fertilizer and oil plant, etc.), will erect mill-construction or corrugated-iron buildings to cost \$25,000; buildings 100x200, 100x50 and 100x40 feet in size, together with several smaller structures and pler 100x160 feet; will install lighting plant of about 500 lights, also elevators, conveyors, etc.; contracts to be awarded; date of opening bids not set; Philip Renneburg, 1917 Aliceanna St., Baltimore, Md., reported as architect in charge. (See "Machinery Wanted.")

FLOUR. FEED AND MEAL MILLS

Ga., Cedartown.—Holloway-Smith Company has taken over lease of Cherokee Mills; will make improvements to increase capacity.

La., New Orleans.—Browder Bros. Co. incorporated with \$15,000 capital stock by D. H. Browder, J. A. Dicharry, J. E. Balley and others.

La., New Orleans.—H. T. Lawler Milling & Trading Co. contemplates reorganization and rebuilding plant; location not determined.

Miss., Maben.-D. F. Holland will establish

Miss., Purvis.—James Hand & Co. will establish flour mill; John M. Woodward will be manager.

N. C., Asheville.—Eagle Mill Co. will install corn mill and feed plant.

N. C., Longtown.—Bell & Martin will establish 30-barrel mill to replace present buhr mill.

S. C., West Union.-Strother & Phinney will establish grist mill.

will establish grist mill.

Tenn. Byrdstown.—P. L. Hodges contemplates establishment of roller mill.

FOUNDRY AND MACHINE PLANTS

Ala., Birmingham — Foundry. — Caldwell-Watson Foundry & Machine Co. advises that company has about decided on contractor to crect new foundry building recently noted; no bids needed.

La., Alexandria.—Alexandria Lumber Co. will make repairs to machine and car repair shop reported burned.

Mo., Harrisonville—Pumps. — Harrisonville
Pump & Foundry Co. incorporated with \$5000
capital stock by N. P. Withington, H. H.
Wright and J. H. Polhemus.

Mo., St. Louis—Stoves and Ranges.—Charter Oak Stove & Range Co., 1440 North Main St., will expend \$140,000 to erect buildings on site covering six to seven acres; plans by Klipstein & Rathman, Chemical Bidg., St. Louis; contract awarded to E. Ward, Chemical Bidg., St. Louis; will install machinery to cost \$100,000; daily capacity 250 stoves, ranges and furnaces; plant will consist of group of seven connected buildings, comprising molding shop, mounting shop, pattern storeroom, boiler-room, engine-room, ware houses, etc.; these will have total length of 578 feet and width of 313 feet; separate building, 100x100 feet, for combined offices and sample-room; separate buildings for pattern shops and maintenance department and stable will be erected; total of 270,000 square feet of roof, 367 windows, 1800 feet of skylight and 13,000 lights of glass.

Mo., St. Louis-Engines.—Boulevard Engine Co. incorporated with \$10,000 capital stock by Howard B. Gentry, N. S. Brown, B. C. Winston and others.

N. C., Charlotte—Textile Machinery.—Alexander & Garsed will erect shop for building and repairing textile machinery; 100x150 feet; closed all contracts for building and machinery.

N. C., Greensboro — Sawmills.—American Portable Band Sawmill Co. incorporated with \$1,000,000 capital stock by O. C. Klingman, L. G. Klingman and R. B. Stewart; will manufacture sawmills and supplies and control patents of B. F. Watkins (president of company) and Gordon Bryan; both of Winston-Salem, N. C.

Okla., Osage-Gas Engines.-Company will build plant to manufacture gas engines; Osage Land & Development Co., 500 North Broadway, Oklahoma City, Okla., can give Information.

Tenn., Knoxville — Plows. — Wm. J. Oliver Manufacturing Co. will expend \$150,000 to \$200,000 in erection of new buildings, installation of malleable iron works and enlargement of car shops; capacity of plant to be increased from 50,000 to 100,000 plows per year. (Recently mentioned.)

Tex., Corpus Christi—Iron Foundry.—Chas. J. Stanzel, Schulenburg, Tex., is considering establishment of iron foundry.

Tex., San Angelo.—Chamber of Commercis promoting establishment of foundry.

Va., Norfolk—Cotton Gins.—McNally Pneumatic Gin Corporation incorporated with \$2,000,000 capital stock; T. H. Synon, president; J. J. McNally, vice-president; M. Denver Synon, secretary; will build plant for manufacturing cotton gins; location not determined.

GAS AND OIL DEVELOPMENTS

Ga., Atlanta.—Providence Oil & Gas Co., G. B. Crowe, president, Birmingham, Ala., proposes construction of natural-gas line from Birmingham, Ala., to Atlanta, with outlets at Gadsden, Anniston and other cities.

La., Basile.—Frisco Oil, Gas & Mineral Co. organized with \$6000 capital stock; Thomas H. Lewis, Sr., president; G. H. Cretin, vice-president; John A. Haas, treasurer, all of Opelousas, La.

Miss., Kosciusko.—Home Oil & Gas Co. incorporated with \$5000 capital stock by J. M. Fletcher, W. B. Potts, E. Z. Jackson and others

Okla., Bartlesville.—Geo. C. Priestly (recently noted, as representative of Holland Capitalists, to purchase 20 oil companies and pian pipe-line construction to Gulf of Mexico) states that oil properties will be taken over by Central Fuel Oil Co., a Delaware corporation with capital of \$15,000,000; further plans not announced.

Oklahoma.—Iola (Kans.) Portland Cement Co. will, it is reported, build 40-mile 18-inch pipe line to connect plant with gas fields of Oklahoma.

Texas.—Gulf Refining Co., Pittsburg, Pa., will construct, it is reported, 100-mile oil pipe line from new Texas development; oil to be pumped into main line; location of field not announced; is reported to have awarded contract for six-inch steel pipe for construction.

Tex., Portland. — Glenwood Development Co. incorporated with \$15,000 capital stock by John G. Willacy, J. M. Eskridge and E. G. Wessendorff.

Tex., San Antonio. — Producers' Oil Co., Houston, Tex., has drilled six wells and will lay pipe lines to Laredo down the Rio Grande; to pipe products south to Brownsville and north to San Antonio and Austin; New York office, 111 Broadway.

W. Va., Charleston.—United Fuel Gas Cois reported to have awarded contract for construction of pipe line from southwestern West Virginia fields to Ohio, about 45 miles; will use 20-inch main; construction will begin at Balls Gap, in Cabell county, and extend through Lincoln county, across Kanawha River at Lock 7, through Kanawha county to Ciendennin into Roane county field.

W. Va., Huntington.—Bronx Oil Co. incorporated with \$30,000 capital stock by W. J. Rogers, David Fox, Frank Enslow and others.

ICE AND COLD-STORAGE PLANTS

Ga., Macon.—Bibb Ice Co. incorporated with \$50,000 capital stock by C. J. Kinnett, J. K. Kinnett and Robert Gamble. (Mr. Gamble recently noted to establish 100-ton ice plant. Ga., Montezuma.—James Harrison will establish ice factory; machinery purchased.

Ky., Lexington. — Lexington Cold Storage Co. incorporated with \$20,000 capital stock by Leon Renaker, M. J. Toohey and others.

Ky., Lexington. — Lexington Cold Storage Co. Incorporated with \$20,000 capital stock by G. B. Hawkins of Lawrenceburg, Ky.; Hugh McGovern of Lexington and others.

Ky., Louisville.—Beuschel Ice & Cold Storage Co. increased capital stock from \$25,000 to \$35,000.

Miss., Lucedale.—Lucedale Ice Co. Incorporated with \$6000 capital stock by A. Allman, A. A. Allman, I. H. Weaver and J. A. Dorsett.

Mo., Cameron.—Swisher & Co. contemplates installing cold-storage plant; capacity two cars.

ars.
Tenn.. Memphis.—N. F. Raines and others

are interested in establishment of refrigerator plant in connection with slaughter-house

Tex., Fort Sam Houston.—Quartermaster-General accepted bids for construction of ice plant and laundry at Fort Sam Houston as follows: Ziegier Bros., pump and ice plant building, \$21,162; A. W. Lockett & Co., boilers, feed-water heater, etc., \$16,620; Henry Vogt Machine Co., Louisville, Ky., machinery for absorption type ice plant and extra ammonia pump and condenser, \$10,105; Ziegler Bros., laundry building, \$12,735; Troy (N. Y.) Laundry Machinery Co., laundry machinery, \$13,585.

Tex., Terlingua.—Chicos Mining Co. will establish ice and electric-light plant at its mines.

LAND DEVELOPMENTS

Ala., Birmingham.—Sunset Park Land Co, incorporated with \$40,000 capital stock; J. Cary Thompson, president; N. F. Thompson, vice-president; J. R. Waters, secretary-treasurer; will develop land on Shades Mountain for suburban residence district.

Ala., Yellow Pine.—Pinehurst Fruit and Nut Plantation incorporated with \$150,000 capital stock; H. D. Wing, president; N. S. Wing, vice-president, both of State Line, Miss.; J. H. Soldwedel, secretary-treasurer, of Yellow Pine; will enlarge and improve Wing Peach Orchard, install commissary, ice plant, excelsior plant, cannery and cane mill, and add enough land to permit setting 100,000 fruit and nut trees.

Ark., Little Rock.—C. Waters purchased three blocks in Mountain Park Addition for \$7500; will subdivide, lay concrete sidewalks and develop.

Fla., Jacksonville.—National Security & Improvement Co. Incorporated with \$500,000 capital stock by John J. Ahern, John A. Cunningham and Wallace F. Mantey.

Fla., Pensacola.—John R. Scott and H. H. Thornton purchased half-interest in 12,000 acres of Perdido tract, other half owned by Fisher Real Estate Agency and Bullock & Caldwell; will subdivide into five-acre lots, establish townsite to be known as North Pensacola, locate industries (manufacturing catsup, sauces, etc., from products of 3000 acres of land), establish schools, churches, etc.; Pensacola Farm Lands Co. is being organized to undertake proposition.

Ga., Hogansville.—Hogansville Realty & Investment Co. Incorporated with \$25,000 capital stock by S. A. Davis, W. G. Davis and Edwin Trippe.

Georgia — Pecan Cultivation. — Homestead Pecan Nursery Co. incorporated with \$25,000 capital stock by A. C. Suedker, George Reutsch, John McCall and others, all of Wheeling, W. Va.

Ky., Louisville.—Walnut Hill Realty Co. incorporated with \$6000 capital stock by William E. Mayer, A. T. Wolford and William E. Simpson.

La., New Orleans.—Alexiusville Land Co., recently reported incorporated with \$100,000 capital stock, purchased 800 squares of ground and will develop for residence sec-

Miss., Clermont City.—Gulf Coast Development Co., 412 Hennen Bldg., New Orleans, La., previously reported organized with \$50,000 capital stock to develop Clermont City as winter resort, has engaged Stevens & Neison, New Orleans, La., as engineers in charge of improvements; to include construction of several miles of cement sidewalks, erection of hotel on site 600x425, shaping of lake, constructing pier, etc.

Okia., Dill City.—Dill City Industrial Development Co. incorporated with \$10,000 capital stock by W. R. Dillon, J. T. Hinds and others.

Tenn., Englewood.—Englewood Land & Improvement Co. Incorporated with \$101,000 capital stock by L. McDaniel, J. L. Ferguson, W. A. Saterwhite, E. L. Delay and others.

Tex., Alvin.—Alvin Orange Grove Co. incorporated with \$15,000 capital stock by W. S. Stevens, J. J. Shirley and Robert C. Shirley.

Tex., Bay City.—Bay City Orchard Co. organized with \$20,000 capital stock by J. W. Magili and G. M. Magill of Bay City and W. A. Stockwell of Alvin, Tex.; will develop 100-acre orange grove, plant 2500 Satsuma orange trees on 25 acres and plant peanuts on 75 acres this season; next year will set out 7500 orange trees.

Tex., Bay City.—Japanese Satsuma Orange Co. organized with \$17,500 capital stock by G. M. Magili and J. W. Magili of Bay City and Henry Miyamoto of Mission, Tex.; develop 100-acre orange grove near Bay City; set out 1000 Satsuma trees.

Tex., Friona. — Citizens' Co-operative Development Co. incorporated with \$20,000 capi-

efrigera.

, 1910.

rmasteron of ice
uston as
ce plant
Zo., boil; Henry
achinery
ktra am-Ziegler (N. Y.) ichinery,

Co. t at its 5 and Co. tock; J. ompson,

uit and \$150,000 t; N. S. easurer easurer, improve missary, nd cane

tion for dewalks arity & \$500,000 ohn A.

setting

rchased

н. н. n 12,000 vned by llock & re lots, th Pen-ing cat-00 acres s, etc.; organ-

\$25,000 Davis nestead \$25,000 George all of ity Co

alty &

by Wil-Villiam \$100,000 res of ce sec-

rleans, th \$50,-& Nel-charge tion of rection e, con al De

0 capi-ds and guson, ers. o. in . Shir-

J. W. y and evelop tsuma eanuts III set

ck by City;

e De-

tal stock by C. C. Fredericks, R. H. Ames and S. E. Fish.

Tex., Hamlin. - Fort Stockton Irrigated Vineyards Co. incorporated with \$20,000 capital stock by W. W. Johnson, C. W. Middleton, W. S. Whaley and G. M. Shelton.

Tex., Jacksonville.—J. D. Clarkson, Fort Worth, Tex., purchased "South Side Addi-tion," comprising about 100 acres; will con-struct concrete sidewalks and make other improvements.

improvements.

Tex., Toyah.—Toyah Townsite Co. Incorporated with \$60,000 capital stock by T. E. Gibbons, S. S. Suttlemyer and A. Holmes.

W. Ya., Romney.—Golden Orchard Co. Incorporated with \$10,000 capital stock by W. H. Guthrie, W. J. Milleson, George H. Thomas and others.

LUMBER MANUFACTURING

Ala., Mobile. — Bacon-Underwood Veneer Co., J. A. Underwood, president, contem-plates erection of new plant; nothing definitely decided.

Ark., Countiss.—J. H. Mammon, Vincennes, Ind., purchased 1100 acres of timber land in Phillips county for \$40,000, and will establish

Ark., Griffin.-Hampton Stave Co., Hamp-Ark., Grimn.—Hampton Stave Co., Hamp-ton, Ark., purchased 6000 acres of timber land in Union county estimated to cut about 5,000,000 feet, and will establish planing mill; lumber to be shipped to Hampton for manu-facture into spokes and staves.

facture into spokes and staves.

Ark., Texarkana. — Charles R. Peterson, vice-president Hempstead Hardwood Co., Hope, Ark., is considering establishment of hardwood veneer plant.

Ga., Macon.—Bannon Lumber Co. incorporated with \$10,000 capital stock by Charles P. Bannon and Horace Bannon.

Bannon and Horace Bannon.

Ga., Savannah.—Pine Products Co. Incorporated with \$500,000 capital stock and privilege of increasing to \$1,500,000 by L. E. Campbell, president of L. E. Campbell Lumber Co., Memphis, Tenn., and others; will manufacture various pine oils and by-products, creosote, etc.; plans have been prepared for creosoting plant, on Hutchinson Island, to have daily capacity of 100,000 feet of lumber. (See "Miscelaneous Factories.")

ber. (See "Miscelaneous Factories.")

Ky., Louisville.—Norman Lumber Co. will install planing mill in plant in course of construction at 9th and Magnolia Sts.; probably operate by electricity.

La., Mansfield.—Logan Lumber Co., J. L. Logan, president, awarded contracts for machinery to be installed in lumber plant now in course of erection; mill will have capacity of 70,000 feet per day; pond for logging pine; equipment will include single band saw with circular saw, 10-inch gun being provided for band saw and 8-inch gun for circular saw; skidway for hardwood department and lath mill; later contemplates establishing box and crate factory. (Previously mentioned.) ously mentioned.)

ously mentioned.)

I.a., Pawnee.—Conrad Bering Lumber Co.,
Houston, Tex., will rebuild plant recently
reported burned; will erect 42x184-foot building of mill construction and install sawmill,
boiler-house and machine-shop machinery,
daily capacity, 80,000 feet lumber and lath;
Conrad Bering, president; F. C. Bering, secretary-treasurer; F. H. Heins, manager.
(See "Machinery Wanted.")

La., Sun.-Sun Lumber Co. will erect planing mill; construction begun.

La., Talisheek.—A. D. Crawford Lumber Co., E. A. Crawford, general manager, is proceeding with construction of proposed sawmill to have capacity of 30,000 feet; building will be two stories, 40x180 feet; plant will include dryklins and planing mill.

La., Westlake.—Krause & Managan Lumb Co. contemplates installation of fast-feed flooring machine.

Miss., Bond.—Bond Lumber Co. incorporated with \$1,000,000 capital stock by Z. D. Davis (president Capital National Bank), C. A. and James A. Alexander, all of Jackson, Miss., and others, to establish lumber manufacturing and finishing plant, woodworking plant, etc.; purchased plant and properties of North Lumber Co. for \$795,000.

Mo., Springfield.—W. R. Wrape Lumber Co. incorporated with \$25,000 capital stock by W. R. Wrape, M. G. Wrape and William T.

North Carolina.—Ritter Lumber Co., Bristol, Va., will, it is reported, establish band mill with capacity of 100,000 feet for development of 30,000 acres of timber land in Western North Carolina.

N. C., Murchison.—Murchison Lumber Co. incorporated with \$300,000 capital stock by I. J. Rhodes, Welch, W. Va.; H. D. Hatfield, Eckman, W. Va.; James E. Walker, Herndon, W. Va., and others.

N. C., Raieigh.—Eilington Building Supply Co. will erect 60x160-foot machine shop build-ing; use galvanized roofing. (See "Machin-ery Wanted.")

N. C., Oxford.—Lock-Hart Company incorporated with \$10,000 capital stock by W. N. Lockwood, A. L. Capehart and J. A. Niles.

S. C., Plum Branch.—Interstate Lumber Co. ncorporated with \$20,000 capital stock by J. C. Fentress and D. H. Hollomon.

Tenn., Fordtown.—Frank S. Shell, Johnson City, Tenn., recently noted to purchase timber land, states that new acquisition is about 110 acres, heavily timbered, and will cut about 1,300,000 feet; will install portable mill at once; makes specialty of heavy bridge timber, etc.; prefers limiting output to 10,000 feet deally.

Tenn., Memphis. — Vanderboom - Stimson Lumber Co. Incorporated with \$30,000 capital stock by J. H. Vanderboom, Jr., Harry Stim-son, Joseph Thompson and others.

son, Joseph Thompson and others.

Tex., Naples.—K, & P. Lumber Co., Max Kosse, president, Cincinnati, O., has taken over Sullivan-Sanford Lumber Co. of Naples and increased capital stock from \$75,000 to \$1,000,000; acquired mainly 40,000 acres of timber land, 3 band mills and 25 miles standard-gauge railroad; contemplates improvements, including at least one band saw mill and five miles of additional railroad tracks.

Tex., Pineland.—Garrison Norton Lumber Co. changed name to Temple Lumber Co. and increased capital stock from \$100,000 to \$1,500,000.

W. Va., Beckley.—J. B. Earwood purchased 1700 acres hardwood timber in Raleigh county; will develop; has two circular mills; will buy but little machinery.

METAL-WORKING PLANTS

Okla., Osage—Wire Fencing.—Company will build plant to manufacture wire fencing; Osage Land & Development Co., 500 North Broadway, Oklahoma City, Okla., can give

Ala., Blount Springs-Limestone. — Blount Lime & Quarry Co. incorporated with \$20,000 capital stock by W. B. Drennery, C. C. Nor-dan and Thomas Sinclair.

dan and Thomas Sinciair.

Ark., Helena-Zinc.—Helena Zinc & Mining Co. incorporated with \$150,000 capital stock; S. A. Woten, president; S. B. Straub, vice-president; D. T. Hargraves, treasurer; J. Bielenson, secretary.

Florida.—Western Florida Land, Mining & Improvement Co. Incorporated with \$25,000

Florida.—Western Florida Land, Mining & Improvement Co. Incorporated with #25,000 capital stock by J. G. Stroughton and C. Du Bols of Bergenfield, N. J., and others.

Ga., Gordon—Kaolin, etc.—Walter M. Lee, secretary Citizens' Committee, advises organization of company is contemplated to develop kaolin, bauxite, etc.

Ga., Oglesby — Granite.—Wolling Granite Co., Rion, S. C., is arranging to develop granite quarries at Oglesby and Mt. Airy, Ga. (See "Miscellaneous Factories," S. C., Columbia.)

Ky., Lawton-Limestone.—Lawton Limestone Co. incorporated with \$20,000 capital stock by J. A. Lane, H. B. Campbell and L. C. Turley.

Mo., Aurora—Zinc.—Toledo-Aurora Mining Co. organized by Ed Snaveley of Springfield, Mo., and C. D. Buckley of St. Louis, Mo.; leased 20 acres zinc land; will sink shaft and develop.

Mo., Joplin-Lead and Zinc.-Maggle G. Mining Co. Incorporated with \$40,000 capital stock by Ed B. Shilling, I. N. Threlkeld, F. M. Mack and others.

Mo., Wentworth.—Wentworth Land & Min-ing Co. incorporated with \$50,000 capital stock by B. E. Speer, V. E. Whitten and E. G. Whitten.

Tex., Houston — Iron. — Ruth Mining & Smelting Co. increased capital stock from \$5000 to \$15,000.

MISCELLANEOUS CONSTRUCTION

Ala., Hardwick (not a postoffice)—Tunnel.
—Seaboard Air Line Railway awarded contract to C. W. Lane & Co., 317 Candler Bidg.,
Atlanta, Ga., for 1400-foot tunnel; concrete lining; cost \$60,000.

Ark., Fort Logan H. Roots (not a postoffice)—Heating Plant.—Government awarded contract to M. B. Sanders, Little Rock,
Ark., to install complete hot-water heating
plant in barracks; cost \$6158.

Fin., Fort Barrancas—Wharf.—Henry Monk, Pensacola, Fla., is lowest bidder at \$14,964 for extending quartermaster's wharf. (Re-cently mentioned.)

La., New Orleans-Seawall, etc.-City is

progressing with plans for creation of park on shore of Lake Pontchartrain; W. J. Hardee, City Engineer, advises that bids will be advertised in about 40 days; work will consist of reinforced-concrete seawall and filling in of lake bed between seawall and shore; seawall to be placed approximately 500 feet from shore line at point where water is about 20 inches deep and daily tide oscillation about 6 inches; wall approximately 2000 feet long, 14 feet high; embankment about 2200 feet long by 500 feet wide and 8 to 10 feet high; will embrace approximately 400,000 cubic yards earth, to be obtained by dredging in lake bed outside of seawall. (Previously noted.)

La., New Orleans—Wharf.—Port Commis-

La., New Orleans—Wharf.—Port Commissioners awarded contract to W. T. Carey & Bro., 630 Camp St., New Orleans, at \$53,717.55 for construction of Kernaghan wharf; A. C. Bell, chief engineer Port Commissioners, 606 Hibernia Bank & Trust Co. Bldg.

Miss., Clermont City.—Gulf Coast Development Co., 412 Hennen Bidg., New Orleans, La., will construct steel pler with pavilion at end; seating capacity 1500. (See "Land Developments.")

8. C., Charleston.—Custom-house Plumbing.
Treasury Department, Washington, D. C.,
awarded contract at \$8675 to A. J. Riley of
Charleston for plumbing in custom-house.
Tex., Galveston — Dredging. — Government
awarded contract at \$1.20 per linear foot to
Bowers Southern Dredging Co., Galveston,
for redredging of portion of Turtle Cove
Channel; 3200 feet of channel to be dredged
to depth of 9½ feet; cost about \$3640.

Va., Norfolk—Docks, etc.—Central Water Front Corporation incorporated with \$100,000 capital stock; J. W. Perry, president; W. A. Herron, vice-president; W. S. Bensten, secretary-treasurer.

Va., Norfolk—Retaining Wall.—E. Cross' Sons of Norfolk have contract to construct stone retaining wall around The Hague in Ghent; appropriation \$28,500. (Further facts recently mentioned.)

recently mentioned.)

Va., Portsmouth—Channel Improvements.—
Passage by Congress and the President's approval of River and Harbor Bill authorize
35-foot channel 400 feet wide from Hampton
Roads to Navy-yard; channel 25 feet deep
and 300 feet wide from above Norfolk &
Portsmouth Belt Line bridge to point above
Virginian Railway bridge; channel 22 feet
deep 200 feet wide from latter point to Norfolk & Western bridge on Southern Branch.

MISCELLANEOUS ENTERPRISES

Ark., Dardanelle — Cotton. — Barry-Nance Cotton Co. Incorporated with 325,000 capital stock; J. K. Barry, president; T. R. Nance, vice-president; W. S. McCarroll, secretary.

Ala., Prattville — Cotton.—Merchants' Cotton & Warehouse Co, incorporated with \$5000 capital stock by B. W. Moncrief and others.

Ala., Mobile—Automobiles.—Lindsey Bros. Auto Co. incorporated with \$2000 capital stock by James R. Lindsey, William H. Lindsey and Sam Pouncey.

Ark., Little Rock—Grain, etc.—Hayes Grain & Commission Co, incorporated with \$50,000 capital stock by James Thomas, Dick Swaim and C. E. Hayes.

Ga., Atlanta—Garage.—Forest Adair awarded contract to I. W. Brown, Atlanta, for erection of proposed garage; brick veneer; slate roof; cost \$4750; plans by King & Walker, Atlanta.

Ga., Dalton-Garage.-W. M. Hardwick will

Ga., Daiton—Garage.—W. M. Hardwick will erect iron garage.
Ga., Lagrange—Steam Laundry.—Lagrange Ice & Fuel Co. will establish steam laundry, utilizing waste steam and water from ice

Ky., Harlan—Publishing.—Enterprise Pub-lishing Co. incorporated with \$500° capital stock by James H. Eads, Will Ward Duffield and H. H. Howard.

Ky., Louisville - Publishing. - American common Sense Publishing Co. incorporated by A. B. Florsheim, E. Palmer Bernheim and L. B. Rose.

Ky., Louisville—Printing.—Royal Printing
Co. incorporated with \$3000 capital stock.
La., Lake Charles—Printing.—Terrell-Brayton Company incorporated with \$5000 capital stock: P. M. Terrell, president; J. E. Terrell, vice-president; George M. Brayton, secretary-treasurer. retary-treasurer.

Md., Baltimore—Hardware, etc.—Galloway-James-Comes Company incorporated with \$25,000 capital stock by John D. Galloway, 1709 Harlem Ave., Daniel W. James, Jr., and William E. Wise.

Md., Baltimore-Garage,-Baltimore erative Garage Co. incorporated by Robert M. Stein, 1323 Eutaw Pl.; Oliver G. Hoff, 1820 Madison Ave., and Harry A. Mayer. Md., Baltimore—Beams.—Baltimore Siegwart Beam Co. incorporated with \$150,000 capital stock by Danlel Leonard, 401 Builders' Exchange Bidg., 8amuel F. Bennett and Samuel A. Boothe.

Mo., Kansas City — Printing. — Carpenter Printing Telegraph Co. incorporated with \$2000 capital stock by John M. Wagner, Charles H. Apple and J. L. Apple.

Mo., Kansas City—Garage.—R. A. Long will erect garage; two stories; 57x52 feet; cost \$15.000

Mo., St. Louis-Automobiles -Overland Mo. tor Car Co. Incorporated with \$10,000 capital stock by Jerome Harrington, T. B. Funk and Howard W. Harrington.

Mo., 8t. Louia—Electrotyping, etc.—Progressive Electrotyping Co. Incorporated with \$13,000 capital stock by Wm. O. Witter, Edward L. Fath and John J. Van Hotegen.

Mo., St. Louis—Dairy.—Riess Land & Dairy Co. incorporated with \$28,000 capital stock by George F. Riess, John W. Riess, Anna M. Poggemoeller and others.

N. C., Wilmington—Typewriters, etc.—Ramos Typewriter Co. Incorporated with \$60,000 capital stock; will not manufacture until fall; at present will only install machinery for rebuilding typewriters; John S. Ramos, president; G. W. Campbell, vice-president; J. V. Ramos, secretary; R. W. Wolfing,

Okla., Grove.—Grove Publishing Co. incorporated with \$3000 capital stock by W. J. Forbes of Grove, W. C. Franklin and P. J. Carey of Muskogee.

Carey or Muskogee.

Okla., Oklahoma City—Materials and Supplies.—Southwestern Material & Supply Co. incorporated with \$10,000 capital stock by R. W. Short, C. E. Close and Kenneth M. Sco-

ville.
Okla., Oklahoma City—Laundry.—Oklahoma
City Co-operative Laundry Co. incorporated
with \$5000 capital stock by J. C. Barnard, W.
B. Proctor and A. Nichols.
Okla., Oklahoma City—Laundry.—Oklahoma City Co-operative Laundry Co. incorporated with \$5000 capital stock by J. C. Barnard, W. H. Proctor and A. Nichols,
B. C., Anderson—Garage.—T. B. Earle and
John Sadler organized company and will erect
garage.

8. C., Columbia — Construction.—John J. Cain Construction Co. incorporated with \$10,000 capital stock by John J. Cain and G. M. Berry.

Berry.
Tenn., Union City—Grain Elevator.—Union City Elevator Co. Incorporated with \$25,000 capital stock by William Waterfield, D. S. Williams, E. W. Parks and others.
Tenn., Memphis — Slaughter-house. — N. F. Raines and others are interested in establishment of slaughter-house and refrigerator

Tex., Beaumont-Hardware,-Norvell-Wilder Hardware Co. incorporated with \$100,000 capital stock by R. G. Wilder, I. D. Roberts, J. N. Norvell and Lip Norvell.

Tex., Dallas—Seed, etc.—Texas Seed & Floral Co. reorganized with \$100,000 capital stock; R. Nicholson, president; merged with Robinson Seed & Plant Co.; will erect four-story building; 85x175 feet; cost \$75,000.

Tex., Dallas.—Standard Construction Co. incorporated with \$5000 capital stock by Otto Olsen, J. M. Innis and Frank McShan.

Tex., Velasco-Fish and Oysters.-Velasco Fish & Oyster Co. (recently reported incorporated with \$60,000 capital stock by R. E. Frazier and others) leased two ocean-going schooners; leased oyster beds around mouth of Bernard and Cedar Lake, and will plant and cultivate oysters; has plans by J. C. Friedrich, Velasco, for building.

Va., Bristol—Automobiles.—Bristol Automobile Co. incorporated with \$10,000 capital stock; H. R. Shipley, president; D. S. Simpson, secretary. (See "Machinery Wanted.")

Virginia—Construction.—Virginia Construc-tion Co. Incorporated with \$125,000 capital stock by Charles H. Johnson, C. Anthony Judge, William L. Baynham, all of Philadelphia, Pa., and others.

Va., Chase City—Publishing.—Chase City
Progress Co. incorporated with \$19,000 capital stock; R. P. Beazley, president and general manager; E. W. Hudgins, vice-president; W. D. Wildman, secretary-treasurer;
will publish newspaper.

Va., Norfolk — Plumbing. — Tumbleson & Branch incorporated with \$5000 capital stock; G. T. Tumbleson, president; J. T. Branch, vice-president; E. S. Gray, secretary.

Va., Richmond-Garage.—Jones Motor Car Co. incorporated with \$25,000 capital stock; W. A. Jones, Jr., president; L. M. Jones, secretary-treasurer.

MISCELLANEOUS FACTORIES

Ala., Mobile—Asphalt Refinery.—R. F. Conway Company of Chicago, Ill., will expend \$50,000 for improvements to plant on Three-Mile Creek; will increase capacity and manufacture road-building material.

Ala., Thorsby — Dentists' Tools, — C. E. Northrop contemplates establishment of plant to manufacture fine iools for dentists.

Ark., Fort Smith—Leather Dressings, etc.— Finks Manufacturing Co., H. P. Finks, president (recently noted) will manufacture leather dressings and stains, metal polish, cement and household specialties; capital stock, \$25,000. (See "Machinery Wanted.")

Ark., Texarkana.—Southern Fireworks Co. Galveston, Tex., will increase capital stock from \$8000 and establish plant for manufacturing fireworks.

Ark., Weiner — Rice Mill. — Weiner Rice Milling Co. (recently reported incorporated with \$75,000 capital stock) awarded contract to D. J. Hayes Company, Houston, Tex., for erection of 600-barrel rice mill; cost \$55,000 to \$60,000.

Fla., Jacksonville — Brooms. — Merchants' Broom Co. of Florida organized with \$50,000 capital stock; P. G. Russell, president; Willet Groover, secretary-treasurer; purchased Groover Broom Co.; will enlarge plant and increase capacity to 20,000 dozen brooms annually.

Fla., Sanford.—Virginia-Carolina Chemical Co., Richmond, Vn., is reported to establish fertilizer factory; annual capacity 10,000

Fla., Key West-Cigars,-E. H. Gato & Co. will, it is reported, erect building to replace present plant.

Ga., Atlanta—Beverages.—Norris Company, Inc., chartered with \$10,000 capital stock by Frank E., M. M. and J. W. Lowenstein and Arthur Norris.

Ga., Dalton—Gas Plant.—Dalton Gas Co. will expend \$3000 for improvements, including installation of several new benches of retorts; improvements in charge of H. B. Farrar.

Ga., Gordon.-Walter M. Lee, secretary Citizens' committee, advises that erection of \$25,000 pulp mill is contemplated; estimated capacity, 10 tons daily. (See "Machinery Wanted.")

Ga., Montezuma — Candy. — Webbie Broswill establish candy factory.

Ga., Newnan.—Meat Tenderer.—Foster & Banta Meat Tenderer Co. Incorporated by Abraham G. W. Foster, Harry S. Banta and others.

Ga., Sayannah—Pine Products.—Pine Products Co. incorporated with \$1,500,000 authorized capital stock by L. E. Campbell, C. B. Brooks of Memphis, Tenn., and others; has taken over, on Hutchinson Island, plant of Pine Products Co.; will enlarge refinery and establish creosoting plant with capacity of 100,000 feet of lumber daily; enlarge crude-oil plant at Collins, to be used as feeder for Sayannah plant; manufacture pine oil, creosone etc.

Ky., Louisville — Asphalt.—Kentucky Asphalt Co. incorporated with \$5000 capital stock by L. O. Hasenstab, Frank G. Breslin and Romeo Breslin.

La., Carencro—Sugar Refinery,—Company is being organized with \$200,000 capital stock by M. Billeaud, Jr., C. O. Mouton, Odon Guldry of Lafayette, La., and others; will establish sugar refinery.

Md., Baltimore-Artificial Flowers.—Sneitenberg Company, 101 Hanover St., awarded contract to McLaughlin Bros., 915-927 Bolton St., Baltimore, to erect factory for artificial flowers; 90x100 feet; mill construction; steam heat: electric lighting; elevator; cost \$30,000.

Md., Hagerstown—Cold Store Doors.—Jones Cold Store Door Co., J. V. Jamison, president, is having plans prepared by Otto G. Simonson, 1210 American Bidg., Baltimore, Md., for factory building; two stories; will contain machine, finishing, assembling, fromoviking and galvanizing departments, etc.; slow-burning mill construction or reinforced concrete; 80x162 feet; bids to be asked in few days; woodworking machinery and electric power to be installed; manufacture cold-storage doors. (See "Machinery Wanted.")

Miss., Columbus—Agricultural Implements.
Southern Manufacturing Co. incorporated with \$75,000 capital stock by William F. Craig of Columbus, Miss.; John F. Elder of Columbus, O., and Thomas F. Lundergan of Marion. O.

Mo., Kansas City—Powder.—Electric Powder Co., 722-723-724 Finance Bldg., incorporated with \$550,000 capital stock; Q. P. Brown, president and treasurer; James Faunce, first vice president; H. G. Pert, second vice-president; W. D. Wood, secretary

and general manager; J. E. Trogdon, counsel; plans not ready for announcement.

Mo., Kansas City-Artificial Limbs.—Fitwell Artificial Limb Co. incorporated with \$15,000 capital stock by J. A. Cowlyn, H. J. Morris and C. M. Morris.

Mo., Kansas City-Loose-Leaf Books.— Rigby Loose-Leaf Book Co. incorporated with \$60,000 capital stock by H. M. Sturgis, F. E. Wear and R. M. Rigby.

Mo., Poplar Bluff.—Dalton Adding Machine Co. will expend \$75,000 to erect plant recently noted: 45x400 feet; two stories; concrete.

Mo., St. Louis—Toboggan Slides.—Eureka Novelty Co. Incorporated with \$2500 capital stock by Wm. Keefe, C. F. Schneider and W. G. Schneider; will manufacture summer toboggan slides.

N. C., Newbern — Medicine. — F. S. Duffy Medicine Co. Incorporated with \$100,000 capital stock by F. S. Duffy of Newbern and others.

Okla., Muskogee—Oll Refinery.—Muskogee Oil Refining Co. will expend \$100,000 for improvements to plant; install machinery to handle wax products made from heavy parafin in oil.

Okla., Tulsa—Pipe-laying Device.—B. H. Sands, City Engineer, contemplates establishment of plant to manufacture patented tool or machine for forcing pipes underground without digging ditch.

Okla., Tulsa—Glass.—Anderson (Ind.) Glass Co. is reported as contemplating establishment of glass plant.

C., Belton-Extracts, etc.—Belton Extract & Medicine Co. incorporated with \$2000 capital stock by D. A. Geer, Walter E. Geer and A. R. Campbell.

8. C., Columbia—Granite Plant.—Wolling Granite Co., Rion, S. C., will establish plant and enlarge operations; is arranging to develop granite quarries at Oglesby and Mt. Airy, Ga.; will later use Bedford limestone.

Tenn., Chattanooga-Spring Beds.—Hunt Spring Bed Co. incorporated with \$100,000 capital stock by Arthur Stedman, H. J. Grote, Edward Rose, Joseph Ernest and

Tenn., Jacksboro-Tobacco.—Blue Gem Tobacco Co. Incorporated with \$50,000 capital stock by F. C. Moore, U. S. Jones, M. D. Lleuellyn and others.

Tenn., Jonesboro-Air Couplers.—Automatic Air Coupler Co. incorporated with \$35,000 capital stock by H. Stanley Miller, George W. Hardin, P. Q. Miller and others.

Tex., Calvert—Carbonating.—Calvert Carbonating Co, incorporated with \$5000 capital stock by C. O, Scholander, S, E. Smith and J. H. Adoue.

Tex., Dallas—Pumps.—Roth Pump & Mfg. Co., J. R. Nowlin, secretary-treasurer, Joplin, Mo., is considering Dallas as location of proposed factory to manufacture motor or steam driven pitiess pumps; plant cost \$50,000 to \$75,000. Mr. Nowlin is registered at Oriental Hotel, Dallas.

Tex., Dallas—Creamery.—Dallas Creamery & Dairy Co. incorporated with \$100,000 capital stock by C. L. Varley, Walter Varley and W. A. Donaldeen

Tex., Dallas—Soda Fountains, etc.—Liquid Carbonic Co., Chicago, III., will erect plant to replace present structures; main building four stories and basement; reinforced concrete and steel; 160x150 feet; one-story reinforced-concrete boller room; one-story reinforced-concrete stable; will increase capital stock 25 per cent.

Tex., Fort Worth.—Fort Worth Gas Co., capital stock \$800,000, succeeds Consumers' Light & Heating Co. recently mentioned; Geo, W. Armstrong, president; M. W. Bohan, vice-president; O. K. Shannon, secretary; N. Harding, treasurer.

Tex., Houston—Creamery.—Sam H. Pope, Robert E. Schneider, B. P. Garrett and Wilford E. Shelton will establish creamery at Gray Ave. and Chartres St.

Tex., Houston-Hardware.—Brodie Manufacturing Co., Chicago, Ill., contemplates, it is reported, establishment of plant for manufacturing heavy hardware.

Va., Danville-Distillery.—D. L. Arey Distilling Co. incorporated with \$40,000 capital stock; E. C. Arey, president; K. C. Arey, secretary-treasurer; J. A. Stone, general manager.

Va., Norfolk-Pitch.-City Gas Co. of Norfolk will rebuild pitch plant reported burned.

W. Va., Charleston — Automobiles, etc. — Remington Standard Motor Co. organized with \$1,000,000 capital stock by F. M. Staunton and Harrison B. Smith of Charleston, Philo E. Remington and Eliphalet Remington of Ilion, N. Y., and others; will manufacture automobiles, motor apparatus and aeroplanes.

W. Va., Martinsburg-Gas.-Martinsburg Gas Co. will install compressor with pumping capacity of 9000 cubic feet an hour; driven by electric motor; also machine to increase delivery of plant operated by gas power; reported contracts have been awarded.

RAILWAY SHOPS, TERMINALS, ROUNDHOUSES, SHEDS, ETC.

Ala., Boyles, P. O. Birmingham.—Louisville & Nashville Railroad, W. H. Courtenay, chief engineer, Louisville, Ky., will soon invite bids on construction of proposed shops: property embraces 120 acres; electric plant will be 90x110 feet, freight repair shop 90x350 feet, planing mill 90x150 feet, blacksmith shop 60x70 feet, paint shop 50x65 feet, oil house 40x50 feet, office 80x100 feet.

Tex., Yoakum.—San Antonio & Aransas Pass Railway Co., J. S. Peter, first vice-president and general manager, San Antonio, Tex., does not contemplate erection in the near future of shops recently reported.

ROAD AND STREET WORK

Ala., Fort Payne.—Town will construct edment sidewalks; bids to be opened July 1; UA. McSpadden, Town Clerk. (See "Machinery Wanted.")

Ala., Greenville.—Butler county will vote July 2 on Issuance of \$150,000 of bonds for construction of roads. Address County Commissioners.

Ala., Mobile.—Board of Public Works will pave 50-foot roadway on Broad St. with creosoted wood blocks; concrete viaduct is to drain area to be improved and Jefferson Street school district. Board of Aldermen will be asked to authorize \$125,000 bond issue.

Ala., New Decatur.—City awarded contract at \$26,696.40 to Goodrich & Crinkley of New Decatur to pave Johnson and Jackson Sts., and at \$11,924 to W. M. Leftwich Company, Nashville, Tenn., for coment sidewalks.

Ark., Little Rock.—City will resurface intersections of all streets, crossing Center St., between 12th and 18th Sts., included in street improvement district No. 113; sheet asphalt; bids to be opened July 11; F. M. Oliver, clerk Board of Public Affairs. (See "Machinery Wanted.")

Ark., Little Rock.—Board of Public Affairs awarded contract to I. P. Shelby of Little Rock to pave Scott St., between 3d and 4th Sts., and Rock St., between 4th St. and Iron Mountain railroad tracks; to M. D. L. Cook of Little Rock to pave street intersections on West 6th St.; instructed clerk of board to advertise for bids on paving street intersections on Center St., between 12th and 18th, with asphalt, and for concrete culvert at 19th and Commerce Sts., and at 4th and Spring Sts.

Fla., Fort Barancas.—Henry Monk, Pensacola, Fla., is lowest bidder for resurfacing road from Bayou Grande to National Cemetery. (Recently noted.)

Fla., Jacksonville.—City will vote July 18 on issuance of \$100,000 of bonds for street paving. Address The Mayor.

Fla., Pensacola.—Board of Bond Trustees, R. M. Bushnell, chairman, may be addressed relative to city's plans for proposed paving. (Bond issue of \$150,000 recently noted voted.)

Ga., Atlanta.—City will pave Marietta and Forsyth Sts. and De Kalb Ave.; bids to be opened July 18; R. M. Clayton, City Engineer. (See "Machinery Wanted.")

Ky., Johnsville, R. F. D. from Bradford.— Nelson Fork Turnpike Road Co. incorporated with \$2350 capital stock by Harry Taylor, Clarence Arnold and S. M. Jordan.

Ky., Lexington.—City awarded contract to Carey & Reed of Lexington to reconstruct Short St., from Mill St. to Broadway, with sheet asphalt. (Recently mentioned.)

La., Crowley.—City will construct 15 miles of cement walks; bids have been invited. Address The Mayor.

La., Covington.—City is considering paving street and sidewalks on Silver St. F. G. Marrero, Mayor.

La., Patterson.—C. F. Garber, Morgan City, La., will proceed with construction of concrete walks on Main St.; about 6000 square feet to be laid; contract recently noted awarded.

Md., Annapolis.—City voted issuance of \$24,000 of bonds for paving streets, including West St. ext., Madison, 2d, Clay and Washington Sts. Address The Mayor.

Md., Baltimore.—State Roads Commission, John M. Tucker, chairman, Union Trust Bldg., will open bids July 6 for constructing 19 33-100 miles of roads in Allegany, Carroll, Garrett, Prince George's and St. Mary's counties. (See "Machinery Wanted.")

Md., Towson.-Baltimore county will im-

prove Hillsdale Rd. from Liberty Rd. to Forest Ave.; bids will be opened July 14; Henry G. Shirley, roads engineer. (See "Machinery Wanted.")

Md., Towson.—Henry G. Shirley, Baltimore county roads engineer, plans various improvements for roads and bridges during present year; these will include construction of solid concrete bed for 400 feet on Whitehall Rd., to cost \$5000.

Miss., Aberdeen.—Monroe County Supervisors will issue bonds for road construction, Miss., Clermont City.—Gulf Coast Development Co., 412 Hemen Bidg., New Orleans, La., contemplates construction of road conceting New Orleans with Clermont City, (See "Land Developments.")

Miss., Grenada.—City will enclose City Park with stone or concrete curb (estimated 1000 cubic feet) and lay concrete drain (estimated 1000 linear feet); bids to be opened July 5; L. B. James, City Recorder. (See "Machinery Wanted.")

Miss., Vicksburg.—City awarded contract to Southern Paving & Construction Co., Chattanooga, Tenn., at \$1.89 per square yard for paving Chambers and Harris Sts, with brick and asphalt, and for storm sewers.

N. C., Albemarle.—City awarded contract to G. R. Martin, Sallsbury, N. C., to lay granolithic sidewalks; cost \$4000; J. M. Bandy, Greensboro, N. C., engineer in charge; material purchased.

material purcnaseu.

N. C., Greensboro.—City will lay 2500 to
3000 square yards cement sidewalks; bids to
be opened July 5; John L. King, chairman
Street Commission. (See "Machinery
Wanted.")

N. C., Murphy.—City will construct concrete sidewalks; bids to be opened July 15; Thad D. Smith, engineer, Murphy; Willard M. Axley, secretary-treasurer. (See "Machinery Wanted.")

N. C., Washington.—City has begun proposed street paying under supervision of D B. Packard, City Engineer; \$25,000 bond issue authorized.

Okla., Bixby.—City will construct concrete crossings and sidewalks; bids to be opened about July 2; E. L. Worsham, Town Clerk. (See "Machinery Wanted.")

Okla., Enid. — City will improve Illinois Ave.; bids to be opened July 7; E. R. Lee, City Clerk. (See "Machinery Wanted.")

Okla., Muskogee.—Muskogee county will vote July 23 on issuance of \$100,000 road and bridge bonds. Address County Commissioners. Okla., Tulsa.—T. C. Hughes, City Engineer, has completed plans and specifications for paving 44 blocks of streets with asphalt.

 C., Winnsboro.—Town Council awarded contract to Weston & Brooker, Columbia, S. C., to lay one block of concrete walk on Congress St.

Tenn., Gleason.—City voted issuance of \$6000 sidewalk bonds. Address The Mayor.

Tenn., Lafayette.—Company organized with Dr. M. H. Allen, president; W. J. Sullivan. vice-president; William Parker, secretary; W. E. Carter, treasurer; will construct road from Lafayette, connecting with road leading from Hartsville toward Lafayette.

Tenn., Nashville.—Board of Public Works awarded contract to Southern Bitulithic Co. of Nashville at \$1.57 per square yard for repaving Broadway viaduct with vitrified brick; about 5400 square yards. (Recently mentioned.)

Tex., Aransas Pass.—City contemplates issuance of \$5000 or \$10,000 bonds for street improvements; will grade with shell; cement curbing for sidewalks; W. H. Vernon, Mayor.

Tex., Dallas.—City awarded contract to J. C. Underwood of Dallas at \$2.40 per square yard for resurfacing Commerce St., between Jefferson and Harwood Sts., with creosoted blocks; bids invited for building Humbard Trail Rd., near north end of White Rock reservoir site.

Tex., Longview.—City will improve streets; bids to be opened July 5. Address City Secretary. (See "Machinery Wanted.")

Tex., Richmond.—Fort Bend County Commissioners contracted with Tolman Engineering Co., Houston, Tex., for construction of road from Harris county line to Brazos Riverbridge at Richmond; \$150,000 is available for lateral roads.

Tex., Sweetwater.—City will pave streets. Address The Mayor.

Tex., Wharton.—City contemplates paving Milam St. Address the Mayor.

Va., Lynchburg.—City is considering paving portion of Rivermont Ave.; estimated cost, \$130,000. Address The Mayor.

Va., Richmond.—City will pave with smooth material roadbed of Monument St. from Allison St. westwardly; bids to June 28; appro1910.

to For-Henry chinery

ltimore

II Rd

Super-ruction, evelop-

e City imated a (esti-opened . (See

ontract , Chat-ard for h brick

ontract to lay J. M. charge;

bids to airman chiner

uly 15; Villard "Ma

n pro-of D. d Issue

oncrete

Illinois t. Lee,

will ad and ioners.

Engi-ations sphalt.

varded bia, S. n Con-

ice of

etary :

t road

Works ic Co. for re-trified cently

et im

square tween

osoted mbard

Rock

ineer-lon of River le for

reets.

aving

mooth Alli-ippro-

gineer.

Va., Richmond.—City awarded contracts at \$1.21 per yard to Charles Gasser, J. C. Weinbrunn & Bro., 813 North 5th St., and Thomas A. Barry & Co., all of Richmond, to pave three blocks, one block to each contractor. (See "Machinery Wanted.")

Va., Wise.—Wise County Commissioners awarded contract to Bunn & Co., Big Stone Gap, Va., to macadamize 1¼ miles of road be-tween Big Stone Gap and Appalachia.

tween Big Stone Gap and Appalachia.

W. Va., Martinsburg.—Bids invited on several thousand cuble yards earth and rock excavation, and several thousand square yards macadam pavements, concrete curbs and gutters and cement sidewalks; expenditure \$15,000; binder contemplated to be of rock macadam, asphalt or other preparation; work to begin about July 15. For particulars address John W. Stewart or N. T. Frame, care American Horticultural Distributing Co. (See "Machinery Wanted.")

W. Va., Bluefield.—City will grade East

W. Va., Bluefield.—City will grade East Princeton Ave.; bids to be opened July 1; J. T. Akers, Auditor. (See "Machinery Wanted.")

W. Va., Wheeling.—City Council accepted plaus for paving Main St. from 12th to 16th Sts.; bids will soon be invited; estimated cost \$2500. Address The Mayor.

SEWER CONSTRUCTION

Ark., Texarkana.—Commissioners of Improvement District No. 8 (J. C. King and others) will construct sewer system; bids to be opened July 5; A. B. Matson, engineer. (See "Machinery Wanted.")

(See "Machinery Wanted.")

Fla., Fort Myers.—City will vote August 25
on Issuance of \$35,000 of bonds for construction of sewer system; N. G. Stout, City
Clerk. (Recently mentioned.)

Fla., Pensacola.—Board of Bond Trustees,
R. M. Bushnell, chairman, may be addressed
relative to city's plans for proposed sewerage construction. (Bond issue of \$100,000
for sewer extension recently noted voted.)

Fla. St. Augustine.—City will vote Novem.

Fla., St. Augustine.—City will vote November 22 on recently noted bond issue of \$100,090 for sewer system; no definite plans; W. W. Lyon, engineer.

Fla., White Springs.—City will vote July 12 on issuance of \$20,000 of bonds for con-struction of water-works and sewer sytem. Adress The Mayor.

Ky., Lexington.—City awarded contract to Joseph Melvin & Co. of Lexington for con-struction of snnitary sewer on Maple Ave., from 4th to 5th Sts., and on Jefferson St., from Main St. to Maryland Ave.; John Skain, Mayor. (Recently mentioned.)

Mayor. (Recently mentioned.)

Ky., Loulsville.—Sewerage Commissioners,
P. L. Atherton, chairman, Equitable Bidg.,
will open bids July 8 for construction of Oak
St. sewer, section "B," contract No. 71. (See
"Machinery Wanted.")

Md., Baltimore.—Board of Awards awarded
contract to D. V. Ault & Co., 218 East Lexington St., Baltimore, at \$33,942.20 for construction of sanitary lateral sewers in vicinity of Ashland and Patterson Park Acon.

Md., Laurel.—City will vote July 5 on issuance of \$35,000 of bonds for construction of sewer system. Address The Mayor.

sewer system. Address The Mayor.

Okla., Mangum.—City voted Issuance of \$20,000 of bonds for extension of sewer system. Address The Mayor.

Tenn., Chattanooga.—Board of Public Works, H. F. Van Dusen, chairman, awarded contract at \$16,980 to H. S. Bosler of Chattanooga to erect and equip pumping station for cross-town or intercepting sewer; building to be frame; specifications prepared by Robert C. Hooke, City Engineer. (Recently mentioned.)

Tenn., Columbia.—City awarded contract to John Broderick & Sons, Nashville, Tenn., at \$5759 to construct Helm's Branch sanitary sewer; 10 and 12-inch piping; lateral sewers to connect with trunk sewer. (Recently mentioned.)

mentioned.)

Tenn., Union City.—Mayor and Board of Aldermen will receive sealed proposals until July 27 for material and construction of sanitary sewer system recently noted; C. H. Jenks, engineer, Fnyette, Miss.; J. W. Woosley, Recorder. (See "Machinery Wanted.")

Tex., Belton.—Belton Sanitary Sewer Co., Charles B. Smith, secretary, postponed date of opening bids until July 5 for construction of sanitary sewer system and sewage purification plant. (Recently mentioned. See "Machinery, etc., Wanted.")

Tex., Galveston.—City will construct 36-inch vitrified-pipe drain along 8th St. from Ave. B to outlet in Galveston Bay, 450 feet north of initial point, together with laterals and appurtenances; bids to be opened July 7; V. E. Austin, Commissioner of Streets and

priation \$20,000; Charles E. Bolling, City Engineer.

Va., Richmond.—City awarded contracts at \$1.21 per yard to Charles Gasser, J. C. Weinbrunn & Bro., \$31 North 5th St., and Thomas A. Barry & Co., all of Richmond, to pave three blocks, one block to each contractor.

Va. ("Mechinery Worth 5th St., and Thomas A. Barry & Co., all of Richmond, to pave three blocks, one block to each contractor.

Va. ("Mechinery Wanted")

Tex., Palestine.—Palestine Sewer Co. has engaged James F. Brook as engineer in charge of construction of five additional miles of sanitary sewers; contract recently noted awarded to Trueheart & Jackson, San Antonio Tex.

TELEPHONE SYSTEMS

Ala., Robertsdale.—Alabama Telephone & Telegraph Co. incorporated with \$5000 capital stock by Ellis L. Mumma, J. H. Haswell, Spaulding Peck and others.

Ark., Marion.—President Going of Going Telephone Co. is promoting construction of telephone line from Marion along St. Francis levee; 200 miles; metallic phone system; use white cedar posts with crossbeams; connect with Cumberland Telephone & Telegraph Co. at Memphis, Tenn.; cost \$12,000.

at Memphis, Tenn.; cost \$12,000.

Ky., Sergent.—Letcher County Home Telephone Co., W. B. Webb, manager, Colly, Ky., has engaged E. Frankiln as engineer in charge of construction of 25 miles of line recently noted; will connect Whitesburg, Mayking, Sergent and Baker, Ky.; bids for equipment will be opened at once. (See "Machinery Wanted.")

La., Catahoula Parish.—Southern Tele-phone Co. of Stamps, Ark., will expend \$150,-000 for improvements to system in Catahoula

Mo., Ash Grove.—Ash Grove Telephone Co. Incorporated with \$15,000 capital stock by J. F., A. H. and J. Francis Kirkland.

Tex., Corpus Christi.—Neuces Valley Telephone Co. Incorporated by W. G. Sutherland, E. R. Kleberg, C. C. Wright and others.

E. R. Kleberg, C. C. Wright and others.

Tex., Houston.—Houston Home Telephone
Co. (recently noted to award contract to
Frank E. Ebersole, 706 Scanlan Bidg., Houston, for installation of automatic exchange
telephone system) is not yet ready to announce officers; will erect two-story 40x100foot building, which, when completed, will
contain main offices; has not selected archittect; Mr. Ebersole will install equipment of
Automatic Electric Co., Chicago, Ill.; reported cost, \$1,200,000.

Tex., Clint.—Clint Telephone Co., recently reported incorporated with \$2500 capital stock, has elected C. M. McKinney, president; Roy H. Davidson, vice-president; Craig D. Humble, secretary-treasurer; will continue operation of established line; equipment purchased.

TEXTILE MILLS

Ga., Macon-Press Cloth.—Chamber of Commerce is interested in proposed establishment of camel's-hair press-cloth mill.

ment of camel's-hair press-cloth mill.

Miss., Meridian—Hosiery.—Priscilla Mills
will increase capital stock to \$130,000 and enlarge plant; now has 100 knitting machines,
dyeing and finishing equipment, etc.

N. C., Vass—Cotton Goods.—A. Cameron
and associates will, it is reported, organize
company to complete cotton mill previously
under construction.

under construction.

N. C., Mayesworth—Cotton Yarns.—Mayes
Mfg. Co. increased capital stock from \$200,000
to \$550,000; has 17,228 ring spindles; operated
by electric power.
Okla., Osage—Hosiery.—Company will build
hosiery mill. Osage Land & Development
Co., 500 North Broadway, Oklahoma City,
Okla., can give information.
8. C., Williamston—Print Cloth.—Williamston Mills not planning to double plant. (Recent report was erroneous.)

cent report was erroneous.)

WATER-WORKS

Ark., Eureka Springs.—City will improve water-works; cost \$50,000; W. H. Elliott, City

Ark., England.—Richwoods Gin Co. In creased capital stock from \$10,000 to \$25,000 proposes to construct water-works and elec-tric-light plant.

Ark., Imboden.—Mrs. Jennie Nash, Jones-boro, Ark., purchased water and electric-light plant from People's Bank; will make im-provements and operate. (Recently pur-chased by People's Bank as stated.)

Ark., Ola.—City is considering water-works

Ark., Ola.—City is considering water-works; to be owned by city or operated under franchise granted by city; M. L. Martin, Mayor.

Ark., Paragould.—Improvement District No. 2 will expend \$15,000 to construct waterworks recently noted; will include 300,000-gallon reservoir and water main; C. E. Waddell, engineer, Paragould.

Fla., Clearwater.—City is preparing to construct water-works. Address The Mayor.

Fla., Fort Myers.—City will vote August 25 on issuance of \$15,000 of bonds for construc-tion of water-works; N. G. Stout, City Clerk. (Recently mentioned.)

Fla., Orlando.-Orlando Water & Light Co. Fig., Orlando.—Orlando Water & Light Co. has purchased and installed 250-horse-power boiler; will extend water mains, etc.; but little material needed; generating and pump-ing equipment sufficient. (Recently noted as "City.")

Fla., White Springs.—City will vote July 12 on issuance of \$20,000 of bonds for con-struction of water-works and sewer system. Address The Mayor.

Address The Mayor.

Ga., Atlanta.—City will construct two coagulating basins, one intake tower and one overflow tower at pumping station No. 2; concrete construction; bids to be opened July 19; W. Z. Smith, general manager Board of Water Commissioners and Bond Commission. (See "Machinery Wanted.")

(See "Machinery Wanted.")
Ga., Atlanta.—City awarded contract to
New York Continental Jewell Filtration Co.
of New York at \$31,000 to construct 10,000,000gallon per day capacity filtration plant; W.
Z. Smith, general manager of water-works.
(Recently mentioned.)

Ga., Comer.—City contemplates construc-tion of water-works; C. W. Hackett of Comer is making surveys.

is making surveys.

Ga., Dahlonega.—B. R. Meaders & Sons purchased spring and have secured franchise to lay pipes for furnishing water; will install hydraulic ram and pump water into cistern. Ga., Reidsville.—City voted issuance of \$8000 water-works bonds; J. V. Kelley, Mayor.

Ga., Reidsville.—City voted issuance of \$8000 water-works bonds; J. V. Kelley, Mayor,
La., Loreauville.—City will install tower and tank; 5000 gallons capacity; 75-foot iron foundation; also 2500 feet iron pipes; C. F. Berard, Mayor. (See "Machinery Wanted.")
Md., Baltimore.—Flannery-Griffiths Company, Baltimore, has contract at \$5900 to install water tank and boiler in custom-house. Miss., Meridian.—John G. Session of Greenville, Miss., is lowest bidder at \$33,638 for construction of reservoir to cover 65 acres; reinforced-concrete spillway; will require 140,000 cubic yards of earthwork, 500 cubic yards concrete, 100 creosote piles, etc.; Mr. Vinson, engineer of New Orleans, La., will be engineer in charge; William F. Wilcox, C. E., is general manager of water-works (Recently mentioned.)
Miss., Meridian.—Water-works Commission altered specifications and awarded contract to Worthington Construction Co., Brookhaven, Miss., at about \$37,000 for construction of reservoir to cover 65 acres; reinforced concrete spillway; will require 140,000 cubic yards of earthwork, 500 cubic yards concrete, 100 creosote piles, etc.; Mr. Vinson, engineer, of New Orleans, La., will be engineer in charge. William F. Wilcox, C. E., is general manager of water-works. (Recently mentioned.)
Miss., Oxford.—City, W. L. Smith, deputy clirk, will receive bids until July 15 on water-works construction recently mentioned. (See "Machinery Wanted.")
Okla., Foraker. — City voted issuance of \$25,000 of bonds for construction of water-works.

Okla., Foraker. — City voted issuance of \$25,000 of bonds for construction of waterworks. Address The Mayor.

Okla., Mangum.—City voted issuance of \$40,000 of bonds for extension of water-works.

Address The Mayor.

Address The Mayor.

Okla., Woodward.—City will vote on issuance of \$35,000 of bonds for improvement to water-works. Address The Mayor.

Tex., Center.—City awarded contract to H. G. Barrow of Center to extend water mains and construct steel tower and tank to hold 900,000 gallons of water; top of tank to be 100 feet from ground; deep well will be used for water supply.

Tex., El Paso.—City voted issuance of \$375, 000 of bonds for purchase of International Water Co.'s plant. Address The Mayor.

Tex., Texarkana.—Texarkana Water Corpo-ation, A. A. Haynes, manager, will construct 5,000 additional feet water main and erect rick pumping station.

Va., Chuckatuck.—Chuckatuck Water and Sewer Corporation secured franchise to con-struct water-works.

Va., Portsmouth.—Portsmouth & Suffolk Water Co., W. L. Davis, manager, is considering plans for laying force water main along tracks of Norfolk & Portsmouth Belt Line.

WOODWORKING PLANTS

Ala., Anniston—Barrels, etc.—W. II. McKleroy and others organizing company with \$22,000 capital stock to establish plant for manufacturing barrels, kegs, etc.

facturing barrels, kegs, etc.

Ark., Little Rock—Handles.—Little Rock
Handle Factory (recently noted incorporated) has completed plant previously mentioned; machinery purchased; daily capacity 100 dozen hickory handles; Chas. McKee, president; Geo. A. Leiper, vice-president; J. M. Townes, secretary-treasurer; Clarke Irean, manager.

Ark., Marked Tree - Staves. - Woodruff-Kroy Company, Davenport, Iowa, will estab-

lish, it is reported, tight barrel stave factory.

"Ga., Atlanta-Cabinets, etc.—Southern Fix-ture & Cabinet Co. purchased site on which to erect factory building; 250 feet long, 40 feet wide, two stories high; investment about \$50,000. (Recently mentioned.)

Ga., Ficklin-Spokes and Handles.-Ficklin Spoke & Handle Co. will install additional woodworking machinery; John Smith of Keighley, Eng., new manager. (See "Ma-chinery Wanted.")

chinery Wanted.")

Md., Hagerstown—Wheels, etc.—Hollingsworth Wheel Co., T. A. Brown, president and treasurer, First National Bank Bldg. (recently noted to establish plant to manufacture wheels, hubs, spokes and rims), will not award contract for erection of proposed buillidings; construction by company; in addition to machinery previously described (under "Machinery, Proposals and Supplies Wanted"), company will need further equipment. (See "Machinery Wanted.")

Miss., Meridian—Wheels—Twentieth Century Wheel Co., Indianapolis, Ind., will, it is reported, establish plant at Meridian for manufacture of wheels with new design hubs for automobiles. W. E. Woodhouse is interested in company.

sted in company.

BURNED

Ala., Birmingham.-Louis Saks' clothing tore ; loss \$250,000.

Ala., Dadeville.—First Baptist Church. Adress The Pastor, First Baptist Church.
Ala., Tuskegee.—G. B. Edwards' store; loss

Fla., Clearwater.—Buildings owned by W. T. Harrison, R. J. Booth, H. W. Selvers, H. E. Booth and C. T. Lyle; total loss, \$25,000.

Fla., Winter Park.—Wilcardo Fruit Co.'s packing plant; loss \$40,000.
Ga., Columbus.—Mrs. Willie Blandon's residence at Wynnton; loss \$10,000.
Ga., Donaldsonville.—J. L. Dickenson's cot-

ion gin.
Ga., Savannah.—Cozy Roof Garden, owned
by John P. Taggart and Paul Conida; loss
\$12,000; Paul Conida's store

Ky., Tatham Springs.-Johnson & Co.'s tore at Pullan; loss \$16,000.

La., Pineville.—Alexandria Lumber Co.'s achine and car-repair shop.

Md., Baltimore.—Basche Bros.' furniture store at 1041-1043 Light St.; loss \$10,700. Md., Upper Marlboro.—John T. Flaher's residence at Oxon Hill; loss \$4000. Miss., Wesson.—Burgess & Britt's sawmill;

N. C., Spencer,—Thompson & Co.'s building; R. D. Thompson's two dwellings and harn; Eugene Thompson's machine shop; total loss \$12,000.

Tenn., Jellico.—U. R. Moses' atore, loss \$25,000; Central Drug Co.'s building, loss \$25,000; Cincinnati Clothing Co.'s store, loss

Va., Norfolk.-Pitch plant owned by City

Gas Co. of Norfolk.

Va., Richlands.—Empire Coal Land Corporation's power plant.

DAMAGED BY STORM

Md., Cumberland.—George's Creek Basin Coal Co,'s plant; estimated loss \$10,000.

DAMAGED BY EXPLOSION

Ala., Vinegar Bend.—Vinegar Bend Lumber Co.'s mill; loss \$25,000; N. E. Turner, president of company.

N. C., Fremont.-W. B. Floars' sawmili and electric-light plant; estimated loss \$15,000.

BUILDING NEWS

BUILDINGS PROPOSED

APARTMENT-HOUSES

Arkiment-Houses

Ark., Helena.—Utley & Utley, architects,
329½ Cherry St., invites bids on erection of
124x108-foot apartment-house; frame and
stuceo, with gypsum plaster; court 88x90
feet; steam heat; electric lighting; three
freight elevators; cost, complete, 225,000;
bids probably opened about August 1; building owned by incorporated company.

Fig. 8.1 Potentiars Mars L. B. Branch

Fla., St. Petersburg.—Mrs. L. B. Purnell has plans by Edgar Ferdon, St. Petersburg, for apartment and business building recently noted; 100x159 feet; fireproof construction; steam heat; electric lighting; cost \$15,000. Ga., Atlanta.—Stanford E. Moses has plans

by A. Ten Eyck Brown, Forsythe Bidg., At-lanta, for apartment-house; brick veneer; tile roof; steam heat; electric lighting; cost \$12,000; bids opened June 25.

Ga., Atlanta.—J. W. and Paul G. Coldsmith, East Lake, Ga., had plans prepared by Lelia Ross Wilburn, 305 Peters Bidg., Atlanta, for building recently mentioned; two six-family apartments; brick veneer and stone; vapor heat; electric and gas lighting; cost within \$55,000; construction by day labor.

Ga., Atlanta.—A. W. Farlinger had plans prepared by Edwards & Walter, 631 Candler Bidg., Atlanta, for apartment-house previously noted; ordinary construction; steam heat; freight elevator; cost \$175,000; construction by owner.

Ky., Louisville.—Breckenridge Realty Co. incorporated with \$100,000 capital stock; Henry Levy, president; F. W. Fleischaker, vice-president; H. J. Gutman, secretarytreasurer; will erect apartment-house; three stories; 21 apartments; cost \$90,000.

Mo., Kansas City.—George Portonner will erect apartment-house; three stories; brick; six apartments of four rooms each; cost \$12,-000; plans by Herman J. Stroeh, Kansas City.

Mo., Kansas City.—C. E. Surface will erect apartment-house; three stories; six six-room apartments; brick and cut stone; cost \$26, 000; plans by Herman J. Stroeh, Kansas City.

N. C., Asheville.—Dr. C. P. Ambler will expend \$8000 to erect apartment and office building; 28x100 feet; plans by Smith & Carrier, Asheville. (See "Bank and Office Buildings.")

Tenn., Memphis.—W. C. and M. Schwalmeyer will erect apartment-house; two stories; 20 rooms; composition roof; double pipe hot-air heating plant.

Tex., Houston.—E. C. Lamb and R. E. Fields completed plans for three-story flat; brick; cost \$20,000.

Tex., San Antonio.—T. W. Campbell, Mrs. Harry Gunther and W. A. Wurzbach have plans by Leo M. J. Dielmann, San Antonio, for store and apartment building; five stories; brick; cost \$50,000.

W. Va., Charleston.—Ben Baer will erect apartment-house.

ASSOCIATION AND FRATERNAL

Ark., Magazine.—Knights of Pythias and Independent Order of Odd Fellows are organizing company to erect lodge hall; two stories; concrete; 50x80 feet; cost \$5000.

Fin., St. Petersburg.—Pinellas Chapter of American Woman's League has plans for proposed chapter-house; Maltese cross shape; 56x50 feet; porches on all sides; brick, covered with plaster; reinforced concrete foundation; green glazed tile roof; double floors.

Miss., Greenwood.—Benevolent and Protective Order of Elks has plans by Keenan & Weiss, New Orleans, La., for opera-house and lodge building; three stories. (Previously noted.)

S. C., Greenville.—Young Men's Christian Association is planning to erect building; 50x110 feet; architect not selected; will let contract early in fall; cost \$35,000; W. A. Merritt, president.

Va., Pulask!.—Benevolent and Protective Order of Elks has plans by Huggins & Bates, Roanoke, Va., for lodge building; two stories; brick and stone; cost \$30,000; specifications call for 90,000 feet of framing. (Previously mentioned.)

Mo., Mound City.—Independent Order of Odd Fellows will erect lodge building; cost \$10,000 to \$15,000.

Va., Covington.—Independent Order of Odd Fellows will erect business and lodge building; cost \$10,000.

BANK AND OFFICE BUILDINGS

Ark., Charleston.—E. Means and others are interested in erection of bank building; cost \$3000; plans not determined. (See "Machinery Wanted.")

Fla., Jacksonville.—Hugh Rice, San Antonio, Tex., states he will not at present erect office building recently reported.

Ga., Macon.—Norman, Tentz & Reid, architects, 330 Candler Bldg., Atlanta, Ga., will receive proposals after July 1 for erection of Georgia Life Insurance Co. building, previously noted; cost \$200,000; nine stories; brick veneer; two passenger and one freight elevators; lighting plant may be installed; steam heat.

Ga., Savannah.—National Realty Co., holding corporation for National Bank of Savannah, is considering erection of three addi-

nah, is considering erection of three additional stories to bank and office building. Ga., Vidalia.—First National Bank, W. O. Donovan, president, will erect bank building.

La., Loreauville.—Bank of Loreauville, G. A. Shaw, president, will erect one-story bank building recently noted; 25x50 feet; brick; front will be iron frame and glass; bids in-

vited. Address C. F. Berard, vice-president. (See "Machinery Wanted.")

Md., Baltimore. — Baltimore Trust Co., Thomas H. Bowles, president, 25 East Baltimore St., is having plans prepared by Parker, Thomas & Rice, 1109 Union Trust Bidg., Baltimore, for addition to be erected in rear of present building; new structure will be of same general dimensions as present structure and of same design; semi-basement under first floor; estimated cost, \$125,000; expected to award contract about July 9. (Recently mentioned.)

N. C., Asheville.—Dr. C. P. Ambler has plans by Smith & Carrier, Asheville, for of fice and apartment building recently noted 28x100 feet; ground floor for office; apartments above; hot-water heat; electric lighting; cost \$8000; J. C. McPherson (address care of Dr. Ambler) will superintend construction; day's work.

N. C., Greenville.—National Bank of Green ville will remodel store building (at Five Points), to be used as banking-house. Address C. B. West. (See "Machinery Wanted.")

S. C., Elloree.-People's Bank, W. M. Fair, president, will erect bank building.

S. C., Gaffney.-A. N. Wood will erect block of office and store buildings. (See "Stores.")

S. C., Pickens.—Pickens Bank had plans prepared by J. H. Casey, Anderson, S. C., for bank building recently mentioned; mill construction; 35x70 feet; electric lighting; cost \$7000; construction by day labor, superintended by B. E. Grandy; material purchased by J. McD. Bruce, president of bank.

Tex., Bastrop.—Citizens' State Bank will erect two-story bank and office building.

Tex., Bastrop.—Citizens' State Bank will erect two-story bank building.

Tex., Dallas.—Cotton Exchange, S. W. King, Jr., president, will erect building; six stories; 94½x132 feet; fireproof steel construction; exterior of gray pressed brick, with terra-cotta triminings; four stores on ground floor; sample-room, 28x38 feet, and offices for members of exchange on upper floors; main lobby to have ornamented plastering; elevator grills finished in bronze; corridors to be tiled; two electric passenger elevators and one freight elevator; light courts on south side of building; one-story brick mercantile building will be erected in connection; estimated cost \$150,000; plans by Lang & Witchelf of Dallas.

Tex., Del Rio.—Del Rio National Bank accepted plans by Herbert Green, associated with Alfred Glies, architect, both of San Antonio, Tex., for bank building; two stories; pressed brick; stone trimmings. (Recently mentioned.)

Tex., Galveston.—Gulf, Colorado & Santa Fe Railway, F. Merritt, chief engineer, Galveston, Tex., will erect office building to cost about \$200,000; trackage, etc., will cost about \$100,000 additional.

Tex., Goliad.-T. W. Pettus will erect office building; construction begun.

Va., Richmond.—Main Street Bank has plans by Scarborough & Howell of Richmond for bank and office building; fireproof; nine stories; building materials to be concrete, steel rails, beams, brick, fireproof tiling and stone; site 24x150 feet; halls to be finished with mosaic flooring and white marble wainscoting; offices to be finished in hardwood; each office to have gas and electric lights; three high-speed hydraulic elevators, one of which will be used for freight; safety deposit vault on each floor, including stationary tier of steel boxes with locks; will soon advertise for bids.

W. Va., Huntington.—Ritter & Miller are having plans prepared by C. N. Alger, Huntington, for proposed bank and office building; 10 stories; 120x160 feet; fireproof construction; cost \$30,000.

W. Va., Kingwood.—Plans for Bank of Kingwood bank and office building will be ready about August 15; reported cost \$20,000. (Milburn, Helster & Co., Home Life Bldg., Washington, D. C., recently noted to prepare plans.)

CHURCHES

Ala., Birmingham. — Avondale Baptist Church, Rev. C. J. Bentiey, pastor, is considering erection of edifice.

Ala., Montgomery.—Dexter Avenue Methodist congregation will erect Sunday-school building to cost \$30,000. Address The Pastor, Dexter Avenue Methodist Church.

Ark., Fort Smith.—First Methodist congregation contemplates, It is reported, erecting \$59,000 edifice. Address The Pastor, First Methodist Church.

Ark., Fort Smith.—Central Methodist congregation contemplates, it is reported, erecting \$50,000 edifice. Address The Pastor, Central Methodist Church.

Fla., Key West.—Memorial Church, Rev. Mr. Sistrunk, pastor, is having plans and specifications prepared for edifice to cost \$10,-000 to \$12,000.

Fia., Miami.—Trinity Church, Rev. Dr. Cope, pastor, has plans by George F. Pfeiffer, Lemon City, Fia., for church and rectory; former will be of reinforced concrete; Spanish architecture; 120 feet long; nave 40 feet wide; Spanish tile roof; bell tower; total seating capacity 548; interior finish of walls and floor to be in stone; cost of both structures \$30,000.

Ga., Hazlehurst.-Methodist Church, Rev. G. F. Austin, pastor, will erect \$12,000 edifice.

Ga., Royston.—Methodist Episcopal church South, Dr. H. S. McCrary, chairman building committee, will expend \$8000 to erect edifice recently noted; 50x80 feet; fireproof construction; heating and lighting not determined; architect not selected. (See "Machinery Wanted.")

Ga., Savannah.—Seventh Day Adventists will erect edifice; R. Crawford, resident loader

Ky., Louisa.—Baptist Church, Rev. Franklin Hardin, pastor, will erect edifice; brick; seating capacity about 500.

La., Mansfield.—First Baptist congregation contemplates erecting brick edifice. Address The Pastor, First Baptist Church.

Mo., St. Louis.—Society for Church Extension purchased site, 85x130 feet, for \$4000 on which to erect edifice for North Union Avenue Presbyterian Church.

N. C., Mount Gliead.—Methodist congregation will erect \$10,000 edifice; plans prepared; cost \$10,000. Address The Pastor, Methodist

S. C., Charleston.—Church of Holy Rosary, Rev. J. F. Mahoney, pastor, is preparing to begin erection of edifice; Gothle architecture; brick; stone trimmings; 110x60 feet; two stories; spire; stone steps; slate roof; spire covered with copper; seating capacity, 700 on each floor, total 1400; D. C. Barbot of Charleston is architect in charge. (Recently mentioned)

S. C., Belton.—Baptist Church, Rev. Mr. Tate, pastor, has plans by J. H. Casey of Anderson, S. C., for proposed edifice; \$17,000 available for building and site. Address D. A. Geer, chairman building committee.

S. C., Marion.—Methodist congregation contemplates erecting \$40,000 edifice. Address The Pastor, Methodist Church.

S. C., St. Matthews.—Arthur W. Hamby, Columbia, S. C., prepared plans for brick church building; bids invited until July 14; plans and specifications on file at office of Dr. A. R. Able, secretary building committee or of architect.

Tenn., Memphis. — Westminster Presbyterian congregation secured permit to erect proposed edifice; cost \$21,500. Address The Pastor, Westminster Presbyterian Church.

Tex., Calvert.—Baptist congregation will erect \$15,000 edifice. Adress The Pastor, Baptist Church.

Tex., Houston.—Olle J. Lorehn, 421-422
Temple Bldg., Houston, will receive blds
until July 9 for erection of brick edifice;
plans and specifications on file in office of
architect; certified check for 3 per cent. of
bid to accompany each bid on general work;
J. O. Carr, chairman building committee.

W. Va., Graham.—Episcopal Church will erect brick and stone edifice; Rev. Charles W. Sydnor, rector, Pocahontas, Va., will receive bids until July 9; plans and specifications can be had on application to Pedigo & Garry, architects, Kelley & Moyer Bidg., Bluefield, W. Va.; structure will be 30x70 feet; ordinary construction; hot-air heat; electric lighting; cost \$10,000.

CITY AND COUNTY

Fia., Ocala.—Library.—City will erect Carnegie Library; cost \$10,000. Address The Mayor.

La., New Orleans—Fire Station.—City is having plans prepared by E. A. Christy, New Orleans, for proposed Central Fire Station.

Md., Havre de Grace—Firemen's Building.— Street Improvement Commission engaged C. Coleman Smith, Havre de Grace, to superintend construction of proposed firemen's building; cost \$6000.

Mo., Kansas City—City Hall.—City has plans by R. L. McBride, Kansas City, for city hall; two stories and basement; buff brick and stone; 100x156 feet; cost \$20,000. (Recently mentioned.)

Okla., Mangum-City Hall.-City voted \$25,000 bond issue to erect city hall. Address The Mayor.

Okla., Sayre—Jail.—Beckham county voted 70,000 bond issue to erect jail and court-

house. Address County Commissioners.
(Previously noted.)

Tenn., Memphis—Engine-house.—Ennis M. Douglass, City Clerk, will receive bids until July 12 for erection of one single and one double fire-engine house; certified check, payable to city of Memphis; plans and specifications at office of John Gaisford, architect, Memphis, or may be had on deposit of check for \$35.

Tex., Lubbock—Jall.—Lubbock County Commissioners will receive bids until July 11 for erection of three-story brick jall; cost about \$14,000; certified check for \$500, payable to John R. McGee, County Judge, in whose office plans and specifications are on file.

office plans and specifications are on file.

Va., Warrenton.—City will soon receive bids on revised plans for city hall; architects, Milburn, Heister & Co., Home Life Bidg., Washington, D. C. (Previously noted.)

COURTHOUSES

Okla., Duncan.—Stephens County Commissioners have plans by P. H. Weathers, Guthrie, Okla., for courthouse recently noted; two stories and basement; fireproof construction; cost \$75,000; date of opening bids not set.

Okia., Sayre.—Beckham county voted \$70,000 of bonds to erect courthouse and jail. Address County Commissioners. (Previously noted.)

DWELLINGS

D. C., Washington.—Richard Ough & Son, 1202 Wisconsin Ave. N. W., will erect eight dwellings in Tennallytown; two stories; tile roofs; electric lights; cost \$4500.

D. C., Washington.—E. T. Crismond, 722 E St. N. E., has plans by A. H. Beers, 1333 G St. N. W., Washington, for seven dwellings at 601-613 Columbia Rd. N. W.; two stories; brick; cost \$14,000; construction by owner.

D. C., Washington.—Harry Wardman, 1333 G St. N. W., has plans by A. H. Beers, 1333 G St. N. W., Washington, for 17 dwellings at 1238-66 Parkwood Pl. N. W.; two stories; brick: cost \$35,000: construction by owner.

D. C., Washington.—Louis H. Emmert, 1110 15th St. N. W., has plans by Percival Emmert, 1110 15th St. N. W., Washington, for residence at 1854 Wyoming Ave. N. W.; three stories; brick; cost \$14,000; construction by owner.

D. C., Washington.—George C. Hough, 1317 H St. N. W., has plans by V. A. Hubbard, 1239 11th St. N. W., Washington, for two dwellings at 3925-27 7th St. N. W.; two stories; brick; cost \$6000; construction by

D. C., Washington.—H. R. Howenstein, 1314 F St. N. W., will expend \$9000 to erect three two-story eight-room brick dwellings recently noted; ordinary construction; furnaces; plans and construction by owner.

D. C., Washington. — Virginia Highlands Association will erect two houses on Highland Boulevard Ave.; 30x26 feet; concrete; fireproof construction; furnaces; electric lighting; cost \$4000; Milton Dana Morrill, 405 Corcoran Bidg., Washington, recently noted as preparing plans; day's work.

D. C., Washington.—John R. Haislip, 2120 1st St. N. W., has plans by E. O. Volland, 1348 Kearney St. N. W., Washington, for two-story frame dwelling at 1206 Decatur St. N. W.; cost \$4000; construction by owner.

D. C., Washington.—Harry Wardman, 1333 G St., has plans by A. H. Beers, 1333 G St. N. W., Washington, for 17 two-story brick dwellings from 1338 to 1366 Parkwood Pl. N. W.; cost \$35,000; construction by owner.

Fla., Jacksonville.—Robert Gamble will erect addition to residence; 25x51 feet; cost

Fla., Miami.—Trinity Church, Rev. Dr. Cope, rector, is having plans prepared by George F. Pfelffer, Lemon City, Fla., for rectory and church; Spanish style; reinforced concrete; Spanish tile roof; cost of two structures \$30,000.

Ga., Atlanta.—Richard Miller and Samuel Barnet awarded contract to Knight & Sanford, Candler Bldg., Atlanta, for erection of double residence; cost \$9000; two stories; brick veneer; hot-water heat; plans by Norman, Hentz & Reid, 330 Candler Bldg., Atlanta.

Ga., Atlanta.—Messrs. Toy will erect brick veneer residence; steam heat; cost \$850; plans by Henrietta C. Dozier, 715 Peters Bldg., Atlanta.

Ga., Atlanta.—M. W. Hubbard will erect \$4000 frame residence after plans by J. C. Battle, 706 Grant Bidg., Atlanta; hot-air

Ga., Atlanta.—Dr. Marion Hull will erect \$3200 frame residence; plans by J. C. Battle, 706 Grant Bldg., Atlanta. nis M s until nd one k, pay-

1010

ioners

chitect,

y Com-11 for about able to whose ve blds hitects,

Bldg., i.) Guth-noted; nstruc-ds not \$70,000 l. Ad-viously

& Son, t eight es; tile

1333 G ellings tories; ner. n, 1333 rs, 1333 ings at tories; vner.

rt, 1110 al Em-on, for . W.; nstruch, 1317 bbard, r two

n, 1314 three recentnaces: hlands High-crete; lectric lorrill, cently

olland, n, for ur St. er. n, 1333 G St. brick od Pl. vner. will ; cost

ed by ost of

San-ection ories; Nor-c, Atbrick Bldg.,

lattle.

ot-air

Ga., Atlanta.—R. C. Little, Hurt St., will erect nine-room residence; frame; steam heat; electric and gas lighting; cost \$6000; plans by Lelia Ross Wilburn, 305 Peters Bidg., Atlanta; bids opened June 13.

Ga., Atlanta.—Joseph S. Raine, Jr., will erect eight-room bungalow; frame; shingled; heating not decided; cost \$6000; construction by day work; plans by Padgett & Son, 1031 Candler Bidg., Atlanta.

Augusta.-Frank L. Caple has plans

Ga., Augusta.—Frank L. Caple has plans by G. Lloyd Preacher, Augusta, for dwelling; two stories; gas and electric lighting. Ga., Stockridge.—W. W. Ward will open bids July 15 for erection of colonial dwelling recently noted; two stories; 12 rooms; cost \$5000 to \$12,000; plans by Morgan & Dillon, Prudential Bidg., Atlanta, Ga.

Ky., Georgetown.-Emil Peters will erect

residence.

Ky., Lexington.—James S. Helm has plans by C. E. Richards, Lexington, for residence.

La., New Orleans.—Mrs. F. C. Font will erect residence; one-story; frame; cost \$4500.

La., New Orleans.—Walter M. Geary Realty Co., 414 Hennen Bidg., will erect one double and one single frame cottage; cost \$400.

La., New Orleans.—Nellie M. Crosby will erect single frame dwelling; cost \$3000.

La., New Orleans.—A. W. Moffett will erect two-story frame dwelling; cost \$7000.

two-story frame dwelling; cost \$7000.

Md., Baltimore.—W. A. Davidson, Jr., will expend \$1500 each to erect eight dwellings recently noted; 14x48 feet each; ordinary construction; hot-air heat; gas lighting; plans by C. W. Price, 149 Belvidere Ave., Arlington, Md.; construction by owner.

Md., Baltimore.—Harrison McMains, 315 Dolphin St., will expend \$6000 to erect dwelling recently noted; 30x36 feet; hot-water heat; electric lighting; plans by W. A. Ehlers, Catonsville, Md.; bids opened June 24.

Md., Baltimore.—J. Ross Gould, 316 New-ington Ave., has plans by Henry J. Tinley, 314 North Charles St., Baltimore, for resi-dence on Powhatan Ave.; 30x34 feet; two and a half stories; cost \$5000.

Md., Baltimore. — George R. Morris, 810 Equitable Bidg., will erect two cottages on Dorchester Rd., two and a half stories; frame; 27x30 feet; hot-water heat; cost \$4000

Md., Baltimore.—Mrs. Margaret Sheckells, 728 Wyndhurst Ave., will erect cottage at Villa Nova.

Villa Nova.

Md., Baltimore.—James H. Preston of Gill,
Preston & Field, 218 St. Paul st., purchased
residence at Charles and Read Sts., and will
expend \$15,000 for improvements, including
remodeling of entire interior, erection of bay
windows on Read St., etc.

Md., Baltimore.—Rev. B. B. James, Garrison Ave., near Liberty Heights Ave., has
plans by John R. Forsythe, 232 St. Paul St.,
Baltimore, for residence on Garrison Ave.;
two and a half stories; frame; cost \$5000.

Md., Baltimore.—Webb & White, Maryland Telephone Bidg., have plans by Herbert C. Aiken, 223 St. Paul St., Baltimore, for two cottages at Forest Park; two and a half stories; frame; front and side porches; cost

Md., Chevy Chase.—T. A. Poole, 1919 Calvert St. N. W., Washington, D. C., has plans by Frederick A. Fletcher, 1413 G St. N. W., Washington, D. C., for two-story residence at Connecticut Ave. and Oliver St.; stucco; cost \$10,000.

Miss., Yazoo City.-Emmett Craig will erect

Mo., Kansas City.—Herbert F. Hall will erect dwelling; brick, stone and concrete; cost \$25,000.

N. C., Winston-Salem. - C. F. Lowe will erect residence.

N. C., Winston-Salem.—R. O. Apple will erect residence; 40x37 feet; ordinary construction; hot-water heat; electric lighting; cost \$3000; plans by W. C. Northrup, Winston-Salem. (See "Machinery Wanted.")

Okla., Enid.-Frank Weller will erect two

S. C., Clinton,—C. C. Bailey has plans prepared by J. H. Casey, Anderson, S. C., for dwelling; cost \$6000.

welling; cost \$6000.

S. C., Columbia.—M. E. Heath will erect \$40,000 residence; ordinary construction; brick walls; hot-water heat; contract not awarded; plans by Edwards & Walter, 631 Candler Bidg., Atlanta, Ga.

S. C., Edgefield.—Presbyterian Church will erect parsonage. Address The Pastor, Presbyterian Church.

8. C., Lamar.—J. H. Johnson, architect, Sumter, S. C., will receive bids until July 4 for erection of residence for F. Ward of La-mar; certified check for \$100; plans and speci-fications at office of architect or from owner on deposit of \$10.

Tenn., Chattanooga.—J. Milton Browne, 20 East 5th St., is having plans and specifications prepared for three dwellings on McCallie Ave.; seven to nine rooms each; brick and stucco; slate or tile roof; stone trimmings; gas and electric lighting; heating not decided; cost \$12,000.

decided; cost \$12,000.

Tenn., Johnson City.—S. N. Daws will erect dwelling. (See "Machinery Wanted.")

Tenn., Memphis.—W. C. and M. Schwalmeyer will erect residence; cost \$3500.

Tenn., Memphis.—Leroy Taylor will erect six-room cottage; cost \$3250.

Tenn., Memphis.—N. Gaither will erect two-story nine-room stone veneer residence; shingle roof; cost \$4400.

Tenn., Memphis.—N. Crump will erect residence; two stories; brick; seven rooms; cost \$5200.

Tenn., Memphis.—Thomas O. Vinton will erect residence; two stories; brick veneer; eight rooms; cost \$12,000; cost of heating plant \$1000.

Tenn., Memphis.—Mrs. A. B. Pickett will erect residence; eight rooms; two stories; cost \$4700.

Tex., Belton.-R. V. Nichols will erect cot-

Tex., El Paso.—L. F. Clark will erect double brick residence; cost \$4800.

Tex., Sarita.—Arthur East has plans by Jules Leffland, Victoria, Tex., for dwelling; two stories; 10 rooms; cost \$4000.

Tex., Tyler.-John H. Adams will erect \$6000 residence. Tex., Tyler.-A. P. Moore will erect \$15,000

Va., Covington.-M. D. Miller will erect

Va., Covington .- O. L. Rodgers will erect

Va., Covington.-Mrs. Lind will erect resi

Va., Lynchburg. — Lawrence McWane has plans by McLaughlin, Pettit & Johnson, Lynchburg, for residence; frame; slate roof; two stories and basement; colonial style; front and side porches; vapor heat; cost \$8000; will let contract in about 10 days.

Va., Norfolk.—Charles A. Baker, secretary of Pocomoke Guano Co., will erect residence.
Va., Norfolk.—Raymond P. Jarvis of Seaboard Air Line Railway has plans by R. E. Mitchell, Norfolk, for residence.
Va., Richmond.—W. S. Quarles will erect dwelling; two stories; brick; cost \$3500.

Va., Richmond.—S. G. Meredith will erect two two-story brick tenements (two dwell-ings each); cost \$12,000.

Va., Richmond.—John T. Wilson will erect three-story-and-basement brick dwelling;

cost \$25,000. Va., Richmond.—Mary E. Heffley will erect detached brick two-story dwelling; cost

\$3900.

Va., Richmond.—H. B. Atkisson will erect dwelling; two stories; brick; cost \$4290. Va., Richmond.—Mrs, Mattie E. Bongers will erect two-story brick tenement; cost

Va., Richmond.-John S. Gregory will erect two-story brick dwelling; cost \$3500.

Va., Richmond.—Ellen F. Dabney will erect

dwelling; two stories; brick; cost \$8000. Va., Richmond.—H. L. Carter will erect detached two-story frame dwelling.

Va., Richmond.-B. M. Roseboro will erec ng; three stories; brick; cost \$18,500.

GOVERNMENT AND STATE

Fla., Fort Barrancas-Guardhouse.—Henry Monk, Pensacola, Fla., is lowest bidder at \$3750 for extending guardhouse. (Recently mentioned.)

Mo., Clinton—Postoffice.—King Lumber Co., Charlottesville, Va., is lowest bidder at \$64,445 to erect U. S. postoffice; James Knox Taylor, supervising architect, Treasury De-partment, Washington, D. C. (Recently men-

tioned.)

Mo., Fulton—Hospital.—State Hospital No. 1 will erect \$40,000 addition for tubercular patients; contract will soon be awarded.

S. C., Aiken—Postoffice.—A. B. Stannard of New York is lowest bidder at \$45,618 for erection of U. S. Postoffice; James Knox Taylor, supervising architect, Treasury Department, Washington, D. C. (Recently mentioned.) mentioned.)

HOTELS

Ark., Texarkana.—N. P. Sanderson is hav-ing plans prepared by Singleton & Moore, Texarkana, for remodeling Southern Hotel; 130 rooms; elevators; cost not less than

D. C., Washington.—G. F. Schutt, proprietor of Ebbitt House, 14th and F Sts. N. W., will expend \$50,000 for improvements to hotel.

Ga., Albany.—Albany Hotel Co. (recently noted to erect hotel) proposes to build steel frame fireproof structure, with 100 rooms; cost \$100,000; correspondence with architects

Ga., Columbus.—J. L. Treadaway Real Estate Co. is planning to erect hotel; eight stories; lower floor, stores and offices; upper floors, hotel.

Ga., Savannah.—Forest City Hotel Co. is reported as planning erection of 12-story hotel on Screven House site. Frank M. Oliver is interested.

Miss., Clermont City.—Gulf Coast Develop-ment Co., 4:2 Hennen Bidg., New Orleans, La., has plans by Stevens & Nelson, New Or-leans, La., for hotel on site 600x425 feet; mechanical equipment will be so arranged to furnish electric lights and ice water for entire town.

Tenn., Dickson.—W. I. Choate will erect hotel; three stories and basement; concrete block; fireproof construction; cost \$60,000.

W. Va., Huntington.—Robson & Prichard advise they have not decided to erect hotel recently mentioned.

MISCELLANEOUS STRUCTURES

Ga., Savannah. — Oglethore Sanitarium, 995 Duffy St. east, will expend \$30,000 to erect sanitarium recently noted; 20 rooms; ordinary construction; hot-water heat; gas and electric lighting; day's labor. (See "Machinery Wanted.")

La., New Orleans — Clubhouse. — Oakland Country Club, Metairie Ridge, Protection Levee and 17th St. Canal, will erect two-story frame clubhouse; cost \$6000.

Md., Baltimore—Restaurant.—John Nieder-hoofer purchased site, 20x50 feet, in rear of 22 South Gay St., on which to erect addition

Md., Baltimore — Clubhouse, — Hampden-Woodberry Neighborhood Association, Mrs. Donald Hooker, president, 912 West 35th St. N., has plans by Wyatt & Nolting, Keyser Bldg., Baltimore, for clubhouse on 3d St. near Falls Rd.; brick and frame; two storles; 44x70 feet; will include gymnasium, 38x70 feet, and auditorium with seating capacity of 300; cost \$30,000.

pacity of 300; cost \$30,000.

N. C., Flat Rock.—Joseph W. Holt, Montgomery, Ala., will open bids January 1 for remodeling Rhett Place, recently noted purchased, as clubhouse; three stories; 50 rooms; ordinary construction; electric lighting (water power); cost \$75,000; plans by Frank Lockwood, Montgomery, Ala. Address Mr. Melt. Holt.

S. C., Columbia.—Columbia Hospital Asso-ciation has plans by Wilson, Sampayrac & Urquhart, Columbia, for hospital building recently noted; 100 beás capacity; ordinary construction; heating and lighting not de-cided; cost \$50,000.

Tenn., Memphis-Hospital.—St. Joseph's Hospital secured permit to erect proposed four-story addition.

four-story addition.

Tex., Weatherford—Pavilion and Natatorium.—Joel Hicks' pavilion and natatorium will be 5ix50 feet, with additions; day's work. (Recently noted.)

W. Va., Elkins—Home.—Bids will be received by directors of West Virginia Humans Society until July 8 for furnishing material and erection of Children's Home; plans and specifications can be seen at office of Governor, Charleston, W. Va., and of Holmboe & Lafferty, architects, Clarksburg, W. Va.; certified check \$200; bids to be addressed to Rev. Dr. R. D. Roller, Charleston, W. Va.; M. B. Morris, secretary board of directors.

RAILWAY STATIONS

La., Lafayette.—Southern Pacific Company, W. M. Hobbs, general superintendent, New Orleans, La., has, it is reported, accepted plans and is inviting bids for erection of proposed passenger station; brick; slate roof.

posed passenger station; brick; slate roof.

Md., Cumberland.—Baltimore & Ohio Rallroad, A. W. Thompson, chief engineer, Baltimore, Md., considering remodeling north
wing of Queen City Hotel as passenger station, erection of umbrella sheds, etc.; cost
about \$40,000; plans now being prepared.

Tex., Paris.—St. Louis & San Francisco
Raliroad, M. C. Byers, chief engineer, St.
Louis, Mo., has asked bids on proposed
union station; approximate cost, \$40,000, exclusive of track cost.

Va. Lynchburg.—Southern Raliway, D. W.

Va., Lynchburg.—Southern Railway, D. W. Lum, chief engineer, Washington, D. C., will erect proposed passenger station; plans being prepared by Milburn, Heister & Co., Home Life Bldg., Washington, D. C.

Va., Petersburg.—Seaboard Air Line Railway, W. L. Seddon, chief engineer, Portsmouth, Va., will, it is reported, rebuild burned passenger station

SCHOOLS

Ala., Anniston.—C. D. Woodruff will receive bids until July 5 for erection of 12-room addition to Wilmer Ave. school; cement block veneer; plans at office of Whildin & Price, architects, 711 Title Guarantee Bidg., Birmingham, Ala., o. of C. D. Woodruff, Anniston.

niston.

Ala., Birmingham.—Board of Education will receive bids until July 5 for erection of J. B. Cunningham school at East Birmingham; plans at office of D. O. Whilden, architect, Title Guarantee Bidg., Birmingham. (Previously mentioned.)

Ala., Lineville.—City has not selected architect to prepare plans for school building recently noted; 100x114 feet; two stories; 10 rooms; brick; heating and lighting not decided; cost \$15,000. Address proposals to John H. Ingram. (See "Machinery Wanted.")

Ark. Conwav.—State Normal School, B. W.

John H. Ingram. (See "Machinery Wanted.")
Ark., Conway.—State Normal School, B. W.
Torreyson, secretary, will erect girls' dormitory recently noted; three stories and basement; 60x156 feet; ordinary construction; steam heat; electric lighting; freight elevator; plans by C. L. Thompson, Little Rock, Ark.; will open bids July 2.

Ark., Dover.—Dover Special School District will erect school to replace burned struc-ture; brick construction.

ture; brick construction.

Ark., Moro.—Moro Special School District,
C. W. Chaffin, secretary, will receive bids untill July 2 for erection of school building recently noted; 84x41 feet; ordinary construction; grates; cost \$5200; plans by J. E. Fry,
Marianna, Ark.; certified check for \$25 must
accompany each bid; usual rights reserved.

Ark., Moro.—City will receive bids until
July 2 for erection of two-story brick school;
certified check for \$25; plans and specifications at office of J. E. Fry, architect, Marianna, Ark., or of C. W. Chaffin, secretary
School Board, Moro; cost \$6000. (Recently
mentioned.) nentioned.)

Ark., Prescott.—Prescott-Arkansas Special School District will open bids about July 5 for erection of school building recently noted; two stories; six rooms; brick; ordinary construction; cost \$25,000; address proposals to C. C. Hamby. (See "Machinery Wanted") Wanted.")

Wanted.")
Fla., Fort Myers.—City will vote August
25 (not August 16, as recently noted) on
\$10,000 bond issue for erection of school
building; Robert Lilly, Mayor.

Fig., Jacksonville, — Board of Public Instruction, James C. Palmer, secretary, 415 Masonic Temple, will expend \$5000 to erect school building; two stories; eight rooms; brick; ordinary construction; Carl Holton, foreman; supervision of superintendent and board. (Recently noted.)

Fin., Madison. — Madison County School Trustees are having plans prepared by Fred A. Bishop, 302 Candler Bidg., Atlanta, Ga., for school building; brick veneer; steam heat; cost \$12,000.

Fis., Madison.—City has plans by Fred A. Bishop, 302 Candler Bidg., Atlanta, Ga., for dormitory; brick veneer; tile roof; steam heat; cost \$15,000.

heat; cost \$15,000.

Fla., St. Cloud. — Osceola County School Board, Kissimmee, Fla., is considering plans for proposed school; white buff sand-lime brick; present plan is to erect front portion of building, 60x30 feet; two stories; brick work continued in front and sides full height; rear wall or partition between present and future portions built of studding covered with sheet metal stamped to represent brick and painted same color as brick in completed portion; will build temporary rafters on third-floor joists and lay temporary roof; electric lights; completed structure to be 60x70 feet; three stories.

Ga., Elberton.—Gibson-Mercer Academy will

Ga., Elberton,-Gibson-Mercer Academy will soon award contract for erection of brick dormitory to cost \$10,000 to \$12,000; 20 rooms; also contemplates erection of \$30,000 dormi-

tory.

Ky., Catlettsburg.—Catlettsburg Independent School District, J. B. Leach, superintendent, voted \$10,000 bond issue to erect school; two stories; 50x60 feet; ordinary construction; probably hot-air heat; architect not selected; will open bids about July 10. Address proposals to Ernest Meck. (Recently mentioned.)

Ky., Normal. - Sandy City School Board has plans by J. M. King, Normal, for brick school; E. H. Gartrell, trustee.

La., Amite.—Amite school district voted bond issue to erect \$30,000 school; A. C. Lewis, district school superintendent. (Re-cently mentioned.)

La., Natchitoches.—City contemplates erection of \$50,000 high-school building. Address The Mayor,

La., Ponchatoula.—Ponchatoula school district voted special tax to erect school. Address district school trustees.

Md., Elkton. — W. D. Bratton, secretary School Commissioners, states they will do no building this year. (Recently noted planning improvements.)

Md., Frederick.—Frederick County School Commissioners will soon receive plans for proposed high-school building.

Md., Mt. Winans.—Baltimore County School Commissioners, Towson, Md., will erect addition to school; two and a half stories; 26x43 feet

Md., Wilhelm Park (not a postoffice).—
Baltimore County School Commissioners,
Towson, Md., are having plans prepared for
one-story frame school at Wilhelm Park;
30x50 feet; contractors estimating are Walter
E. Burnham, Builders' Exchange, Baltimore;
G. Walter Tovell, Reisterstown, Md.; Henry
Nagle, Catonsville, Md., and W. C. Espey,
Towson, Md.

Miss., Greenwood.—Mayor and Board of Aldermen will receive bids until July 9 for erection of two-story brick school; certified check for \$500; plans and specifications at office of R. H. Hicks, City Clerk; Gid Montjoy. Sr., Mayor.

Miss., Jackson.—Jackson Deaf and Dumb In stitute will award contract June 30 for erection of building for negro inmates; also repairs to main building; cost \$25,000; plans by R. H. Hunt, Chattanooga, Tenn. (Contract recently incorrectly noted awarded.)

Mo., Butler.—City voted \$35,000 bond issue to erect high-school building; two stories; 62x90 feet; heating and ventilating plant arranged to furnish 1800 cubic feet of fresh air per hour to each pupil. Address The Mayor.

Mo., Joplin.—Board of Education will open bids in July (date not set) for erection of four ward school buildings; cost \$60,000; plans by Allen, Austin & Co., 612 Joplin St., for one; Garstang & Rea, 204 Grome Bidg., for one, and A. C. Michaelis, 324 Miners' Bidg., for two; all of Joplin. Address pro-

Mo., Kansas City.—Board of Education is having plans prepared by Charles A. Smith, 602 Finance Bidg., Kansas City, for two schools to replace present structures; James school brick, cut-stone and terra-cotta frimmings, 18 rooms, cost \$90,000; Faxon school brick, cut-stone and terra-cotta trimmings, 10 rooms, cost \$65,000; will erect eight-room addition to Greenwood school.

N. C., Elizabeth City.—Colored State Normal School is planning to erect dormitory; cost \$12,000.

N. C., Wilmington.—City has plans by J. F. Leitner, Wilmington, for enlarging high-school building.

Okla., El Reno.—School Board is planning to erect \$40,000 high-school building.

Okla., Oklahoma City—City Hospital.—Bob Parman, City Clerk, will receive bids until July 11 for erection of west wing to hospital; certified check for 3 per cent. amount or bid, payable to Mr. Parman; plans and specifications on file at office of City Clerk and of Building Commissioner.

Okla., Sulphur.—State Board of Public Affairs will expend \$100,000 to erect six or eight buildings for the deaf; ordinary construction; brick and stone; heating plant to cost \$5000; electric lighting; small elevator; plans by C. H. Sudhoelter, Muskogee, Okla.; will open bids August 1 (not July 1, as recently stated); contract for one building only to be let at present.

Okla., Wagoner.—City contemplates erection of central school building; no steps taken relative to bond issue recently mentioned.

S. C., Bennettsville.—School trustees will expend \$14,000 to erect school building recently noted: 55x95 feet; eight classrooms, cloakrooms, office, library and laboratory; ordinary construction: brick, stone and granite: heating not decided; electric lighting: plans being prepared by Sayre & Baldwin, Anderson, S. C.; will advertise for bids. (See "Machinery Wanted.")

S. C., Clinton.—Board of Education will receive bids in July for erection of addition to school building recently noted; cost \$12,-500; plans by J. H. Casey, Anderson, S. C.

S. C., Columbia.—Trustees of school district No. 12 will soon award contract for erection of Edgewold school of six rooms, to cost \$6000, and Waverly school, 9 or 10 rooms, to cost \$13,000.

S. C., Hopkins. - City will erect \$10,000 school. Address The Mayor.

S. C., Six-Mile.-A. E. Brown, secretary Mountain Missions of Baptist Church, will expend \$8000 to erect school building recently noted; 48x70 feet; two stories; five classrooms; library, two society rooms and auditorium; ordinary construction; brick veneer; concrete foundation; plans by J. H. Casey, Anderson, S. C.; day's labor.

S. C., Williston.—City voted \$12,000 bond issue for school improvements. Address The Mayor.

Tenn., Knoxville.—Lincoln Memorial Hospital and University, George Allen Hummble, president, Cumberland Gap, Tenn., will erect home for nurses, three laboratories, etc.

Tenn., Memphis.—William R. Moore School of Technology (Walter B. McLean, trustee) will erect school buildings; \$400,000 endowment.

Tenn., Nashville. — Methodist Training School, J. F. McColloch in charge, will expend \$4000 for improvements, including nineroom addition to dormitory, etc.

Tenn., Washington College, — Washington College will erect building and install system of water-works, electric lights and steam heat.

Tex., Agua Dulce.—Nat. Benton, County Superintendent, Corpus Christi, Tex., will receive sealed bids until July 5 for erection of two-story brick school building recently noted; cost \$8000; plans by Jules Leffland, 118 North Main St., Victoria, Tex.; plans and specifications may be seen at offices of superintendent and architect; certified check for \$250; usual rights reserved.

Tex., Brownsville.—Port Brownsville Town site Co. organized by R. L. Stell and others will erect school; concrete and brick; cost

Tex., Denison.—City will probably issue \$90,000 of bonds to erect high-school building. Address School Trustees.

Tex., Georgetown,—City contemplates erection of high-school building; cost \$20,000 to \$25,000. Address The Mayor.

Tex., Jefferson City.—Carson and Newman College will not at present erect conservatory of music recently noted.

Tex., Killeen.—Trustees Killeen Independent School District, H. C. Smith, secretary, will erect addition of seven rooms to present school building; ordinary construction; cost \$10,000; plans by Waller, Shaw & Fields, Fort Worth, Tex. (Recently noted to have voted \$14,000 bond issue.)

Tex., La Gloria.—Nat. Benton, County Superintendent, Corpus Christi, Tex., will receive sealed bids until July 5 for erection of none-story brick school building recently noted; cost \$9000; plans by Jules Leffland, 118 North Main St., Victoria, Tex.; certified check for \$150; plans and specifications may be seen at offices of architects and superintendent; usual rights reserved.

Tex., League City.—J. E. Walker, member of Board of Trustees, will expend \$12,000 to erect school building; brick; architect not selected. (Recently noted to have voted \$15,000 bond issue.)

Tex., Matador.—Matador School District, No. 6, Will P. Jones, secretary, will expend \$17,000 to erect school building recently noted; two stories and basement; 52x88 feet; ordinary construction; steam heat; plans by Taylor & Wolf, Fort Worth, Tex.; bids opened June 23

Tex., Marshall.—Rt. Rev. Mgr. Granger will receive bids until June 30 for erection of three-story-and-basement school for St. Mary's Academy.

Tex., Maxwell.—Maxwell independent school district voted \$6500 bond issue to purchase site and erect school. Address district school trustees.

Tex., Mission. — City voted \$15,000 bond issue to erect school. Address The Mayor.

Tex., Penelope.—School Board will receive bids until July 2 for erection of school; plans and specifications on file at office of School Board, Penelope; W. P. Tinsley, architect, Fort Worth, Tex., and Trade Review, Dallas, Tex.

Tex., Premont.—Nat. Benton, County Superintendent, Corpus Christi, Tex., will receive sealed bids until July 5 for erection of two-story brick school building recently noted; cost \$8000; planes by Jules Leffland, 118 North Main St., Victoria, Tex.; certified check for \$250; usual rights reserved; plans and specifications may be seen at offices of architect and superintendent.

Tex., Sabinal.—City voted bond issue for school improvements. Address The Mayor.

Tex., Waco.—School Board is having plans prepared by Waller, Shaw & Fields, Fort Worth, Tex., and Scott & Pearson, Waco, for proposed \$159,000 high-school building.

Tex., Weir.—Town voted \$10,000 bond issue to erect school. Address Town Clerk. Tex., Wen. P. O. Georgetown.—Town voted \$10,000 bond issue to erect school. Address Town Clerk.

Tex., Winters.—City is having plans prepared by Preston & Curtis, Abilene, Tex., for \$16,000 school.

Va., Orange. — Madison District School Board has plans by Charles M. Robinson, 10th and Main Sts., Richmond, Va., for highschool building; two stories; eight rooms; brick; cost \$5000. (Recently mentioned.)

STORES

Ala., Birmingham.—Anita Realty Co. will erect four two-story frame buildings; cost \$10,000.

Ala., Birmingham.—W. L. Dewey will erect two-story frame building; cost \$3000.

Ark., Little Rock.-J. M. Calk will erect two-story frame building; cost \$4600.

D. C., Washington.—Julius Garünkle & Co., 13th and F Sts. N. W., have plans by Hill & Kendall, Corcoran Bldg., Washington, for five additional stories to store building; fireproof.

Fla., Jacksonville. — H. T. Armstrong & Sons will erect addition to building of Adams St.: one story: brick: cost \$8000.

Fla., St. Petersburg.—Mrs. L. B. Purnell has plans by Edgar Ferdon, St. Petersburg, for business and apartment building; cost \$15,000. (See "Apartment-houses.")

Ga., Rome.—S. H. Kress & Co., 396 Broad way, New York, will rebuild on larger scale building recently burned; cost \$8000.

Ga., Statesboro.—Cecll W. Brannen will erect brick store.

Ga., Valdosta.—Robert Black, Wilburn Mc-Key and M. J. Chauncey will erect five brick stores; 55 feet deep; 90 feet frontage; two stories; ordinary construction; electric lighting; cost \$4500; day's work; material pur-

La., New Orleans.—F. M. Kirby & Co. will expend \$29,000 for remodeling store at 735 Canal St.

Md., Baltimore.—Besche Bros., 1041-43 Light St., will rebuild store reported burned; loss \$10,700.

Md., Baltimore.—Albert A. Brager, Eutaw and Saratoga Sts., is having plans prepared by C. M. Anderson, 314 North Charles St., Baltimore, for department store at Eutaw and Saratoga Sts.; height or cost not decided.

Md., Baltimore.—Hochschild, Kohn & Co., Howard and Lexington Sts., have plans by Joseph Evans Sperry, Calvert Bidg., Baltimore, for addition to store; eight stories; fireproof construction; contractors estimating are George A. Fuller Company, Fuller Bidg., New York; Noel Construction Co., Calvert and German Sts.; Engineering-Contracting Co., 207 American Bidg.; Henry Smith & Sons Company, 116-20 South Regester St.; Edward Brady & Son, 1109-13 Cathedral St.; Morrow Bros., 218 West Saratoga St.; George Bunnecke & Son, 305 St. Full St., all of Baltimore; Henry Adams, 859 Calvert Bidg., Baltimore, consulting engineer. (Recently detailed.)

Mo., St. Louis.—King Brinsmade Mercantile Co. has plans by A. B. Groves, St. Louis, for wholesale building; Sox136 feet; nine stories; floor space 107,000 square feet; fireproof, reinforced construction; terra-cotta front; steam heat; four electric elevators.

N. C., Charlotte.—Willis I. Henderson will rebuild on larger scale Smith Building, recently reported burned at loss of \$20,000.

 C., Gaffney.—A. N. Wood will erect block of stores; pressed brick; lower floor stores, upper floors offices.

S. C., Gaffney.—A. N. Wood will erect block of three storerooms; two stories; brick; 44x90 feet; stoves and grates; electric light; plans by S. P. Tinsley, Spartanburg, S. C.; will employ foreman to superintend construction.

S. C., Olar.—C. F. Rizer will open bids July 1 for erection of store building recently noted; 50x110 feet; two stories; acetylene gas lighting; cost \$15,000.

 C., Spartanburg.—T. O. Monk will erect business building; cost \$5000.

S. C., West Union.—Strother & Phinney will erect brick store building.

Tenn., Jellico.-U. R. Moses will rebuild store reported burned; loss \$25,000.

Tenn., Jellico. — Cincinnati Clothing Co. will rebuild store reported burned; loss \$4000. Tenn., Jellico.—Central Drug Co. will rebuild store reported burned; loss \$25,000.

Tenn., Morristown.—H. H. Rice will expend \$3000 to erect business building recently noted; 50x55 feet; ordinary construction; plans and construction by owner.

Tex., Tyler—Hardware. — Tyler Hardware Co. will erect building; three stories.

Tex., Tyler.-L. A. Starley will erect twostory brick building.

Va., Blackstonc.—Seay-Bagley Company will erect store building; brick; 33x140 feet; steam, hot water or hot air heating plant. (See "Machinery Wanted.")

Va., Covington.—M. M. Collins will erect business building; cost \$20,000 to \$25,000.

Va., Richmond.—Straus, Gunst & Co. will erect store; four stories; brick; cost \$30,000 Va., Richmond.—Thalheimer Bros. will erect 9 or 10 stores; site 188x130 feet.

Va., Staunton.—S. H. Kress & Co., 395 Broadway, New York, will erect store building. W. Va., Piedmont.—R. H. Drane & Co. will erect two-story brick store building.

W. Va., Huntington.—C. L. Ritter and George F. Miller will erect business building; 30x75 feet; fireproof construction; cost \$30,000; plans by W. G. Wilkins Company, 909 Westinghouse Bldg., Pittsburg, Pa.

THEATERS

Md., Baltimore.—John Chelso has plans by Callis & Callis, 2000 St. Paul St., Baltimore, for one-story brick moving-picture theater at 625 Columbia Ave.; 76x27 feet.

Miss., Greenwood. — Benevolent and Protective Order of Elks has plans by Keenan & Weiss, New Orleans, La., for opera-house and lodge building; three stories. (Previously noted.)

Tenn., Knoxville.—Frank Rodgers has plans by W. O. Scats, Nashville, Tenn., for theater; seating capacity 1200; cost \$35,000. (Recently noted.)

WAREHOUSES

Ala., Birmingham. — Birmingham Realty Co. will expend \$17,500 to erect warehouse recently noted; 150x140 feet; reinforced concrete and steel; fireproof throughout; plans by H. G. Breeding of Birmingham; contract will soon be awarded; building will be occupied by Birmingham Grain Co.

Ala., Montgomery.—Bozeman Warehouse, Storage & Selling Co., 5 West Jefferson St., recently reported incorporated with \$10,000 capital stock, has duplicate plans by Frederick Ausfeld, 806 First National Bank Bidg., Nashville, Tenn., for warehouse; four stories; 40x125 feet; mill construction; electric elevator; cost \$15,000; construction by company.

Ga., Savannah.-J. M. Brewton, Claxton, Ga., and others are interested in erection of warehouse; plans not announced; open bids July 11.

Ky., Lexington.—Growers' Tobacco Warehouse Co. incorporated with \$7500 capital stock by E. B. Hawkins, Luther Stivers, J. M. Gentry and J. W. Rodes.

Mo., St. Louis. — Charles B. Stifel estate will erect six-story warehouse; cost \$55,000.

N. C., Wiison.—British-American Tobacco Co. of Richmond, Va., purchased 2½ acres on which to erect tobacco warehouse to have storage capacity of 2,000,000 pounds.

S. C., Clinton.—Clinton Bonded Warehouse Co. organized with \$10,000 capital stock by L. H. Davidson, George W. Jones, J. H. Jones, W. J. Henry and others.

S. C., Spartanburg.—Shockly & Bull have plans by R. Stevens (address care of company) for warehouse recently noted; 53x113 feet; ordinary construction; electric lighting; cost \$7000; day's labor.

Tex., Boerne.-D. A. Foote & Co. will erect warehouse; corrugated galvanized iron.

Tex., Glenwood.—Hub Furniture Co, will rebuild burned warehouse; new structure wil be five stories; fireproof; first two stories of concrete; remaining three of brick; estimated cost \$15,000.

Va., Norfolk.—Central Water Front Corporation incorporated with \$100,000 capital stock; J. W. Perry, president. (See "Miscellaneous Construction.")

BUILDING CONTRACTS AWARDED

APARTMENT-HOUSES

Ga., Atlanta.—Dr. G. Pope Huguley and T. D. Holland will erect \$20,000 apartment-house; brick veneer; vapor steam heat; plans by Edwards & Walter, 631 Candler Bidg., Atlanta; contractor, Mrs. D. D. McCall; address, care of architect.

Ga., Atlanta.—Miss Lamddin will erect sixfamily apartment-house; frame, brick veneered; steam heat; electric and gas lighting; cost within \$12,000; plans by Lella Ross Will-urn, 305 Peters Bidg., Atlanta; contractor, J. M. Walker, Fourth National Bank Bidg., Atlanta. Tex., Houston.—Montrose Company (recently noted organised by E. C. Lamb and others) will expend \$30,000 to creet apartment-house; three stories; 123x56 feet; ordinary construction; brick; hot-water heat; contract awarded to Lamb & Fields, 606 Binz Bldg., Houston.

ASSOCIATION AND FRATERNAL

Fla., Inverness.—Masonic Lodge awarded contract at \$17.865 to F. M. Dobson & Co., Montgomery. Ala., for erection of lodge build-ing recently mentioned; three stories; brick and stone; W. B. Talley, architect, Jacksonville, Fla.

ville, Fla.

Fla., Tampa.—Hillsborough Lodge No. 25, Ancient Free and Accepted Masons, will not at present erect building previously noted under "Miscellaneous Structures"; will make repairs to building on lot recently acquired; improvements to cost \$3000; contract awarded.

Ga., Statesboro.—Knights of Pythias awarded, it is reported, contract for erection of lodge building

BANK AND OFFICE BUILDINGS

Ala., Birmingham.—D. C. Cooper, president First National Bank, Oxford, Ala., awarded contract to Checkler Bros. and Humphries, Anniston, Ala., to erect office and store build-ing; cost \$10,000.

Ark., Little Rock.—People's Life Insurar Ark., Little Rock.—People's Life Insurance Co., Benjamin Cox, president, awarded con-tract to Geo. W. Fair, Little Rock, for erec-tion of six-story-and-basement fireproof of-fee building previously mentioned; plans by Frank W. Gibb & Co., 225 Gazette Bidg., Lit-tle Rock; structure to be 50x90 feet and have electric lighting; cost \$99,000.

D. C., Washington.—National Permanent Building Association, 229 2th St. N. W., will repair office building; cost \$5000; builder, Julius Wenig, 1223 F St. N. W.; architect, 1413 G St. N. W., both of Washington.

Fla., Fort Myers.—H. E. Heitman awarded contract to S. J. Snelson & Son, Jacksonville, Fla., for erection of proposed bank building; 75x50 feet; pressed brick and marble; electric lighting : ost \$40,000; plans by F. J. Kennard, Tampa, Fla.

Ga., Atlanta.—The Texas Company awarded contract to Moise DeLeon of Atlanta to erect office building and warehouse; cost \$300.000. (See "Warehouses.")

\$300,000. (See "Warehouses.")
Miss., Meridian.—M. W. Wagner awarded contract to C. H. Dabbs of Meridian to erect office building; three stories; 25x65 feet; front finished in buff brick; stone columns; estimated cost \$10,000; plans by Burt Stuart of Meridian. (Recently mentioned.)
Miss., Potts Camp.—Potts Camp Bank (A. Q. Greer and others) awarded contract to Union County Dry Brick & Tile Co., New Albany, Miss., to erect pressed-brick bank building.

N. C., Ansonville.—Bank of Anson, L. L. Little, chairman building committee, will expend \$1690 for erection of bank building; 25x 60 feet; ordinary construction; contract reently noted awarded to J. S. Stearns, 15 Seigle Ave., Charlotte, N. C. (See "Machinery Wanted.")

N. C., Denton.—Bank, B. I. Harison, president, awarded contract to Montgomery & Segraves, Thomasville, N. C., for erection of bank building; 24x40 feet; fireproof construction; fireproof vault; cost \$2000.

S. C., Florence.—Commercial and Savings
S. C., Florence.—Commercial and Savings
Sank awarded contract to Baker Haynesworth of Florence to remodel bank building;
ceiling is to be heightened, iron and glass
dome placed in center, vault constructed in
rear and entire front changed.

Tex., Abilene.—Compere Bros, and Henry James awarded contract for erection of office and store buildings; cost \$20,000. (See

Tex., Brookeland.—Brookeland State Bank awarded contract to John Thompson, San Augustine, Tex., for erection of bank build-ing recently described; 22x50 feet; ordinary construction; cost \$2000.

Tex., Fort Worth.—Mrs. Dan Waggoner warded contract to Buchanan & Gilder. fort Worth, for erection of business and flice building: five stories; 75x100 feet; brick and reinforced concrete; construction to permit erection of five additional stories.

Tex., Menardville.—Bank of Menard award ed contract to D. A. Milam of Menardville to erect \$20,000 rock bank building.

Tex., Petrolia.-First State Guaranty Bank awarded contract to Steger Lumber Co., Petrolla, for erection of proposed bank building; two stories; 25x75 feet; fireproof construction; gas lighting; cost \$4700.

Va., Roanoke.—Norfolk & Western Railway, C. S. Churchill, chief engineer, awarded con-

tract to John P. Pettyjohn & Co., Lynchburg, Va., to erect office building; 100x50 feet; three stories in front and four in rear; brick; fireproof vault; cost \$40,000. (Recently men-

CHURCHES

Ark., Little Rock.—St. Edward's R. C. Church, Ninth and Sherman Sts., awarded contract to W. H. Harris & Co. of Little Rock to remodel interior of edifice; cost

\$30,000.

Md., Baltimore.—Grace United Evangelical Congregation, Rev. C. I. Raffensperger, pastor, 1306 Wilcox St., will expend \$15,000 to erect edifice recently noted; 50x70 feet; stone and brick construction; steam heat; gas and electric lighting; contract for carpenter's work awarded to John Kelly, 1204 Harford Ave., Baltimore; brick and stone work to Ell G. Neiswender, 1600 Monroe St., Baltimore; plans by B. Howard Mason, 1221 Valley St., Baltimore.

ley St., Baltimore. — Christ Methodist Protestant Church awarded contract to Jacob Peters, Gough St. near Highland Ave., Baltimore, to erect edifice on North Ave. near Carey St.; cost \$20,000; plans by Henry J. Tinley, 314 North Charles St., Baltimore. (Previously mentioned.)

Md., Frederick. — Methodist Episcopal Church, East Church St., awarded contract to Henry M. Gittinger of Frederick to re-model edifice; improvements will include new model edifice; improvements will include new front with brown-stone trimmings, tower on southeast corner, addition in rear for li-brary, infant department and classrooms; memorial windows on both sides of struc-ture; remodeling of interior; pipe organ, etc.; estimated cost \$25,000.

etc.; estimated cost \$25,000.

Mo., Kansas City.—Grand Ave. Methodist Episcopal Church, Rev. Edwin B. Oimstead, pastor, awarded contract to Isaac T. Cook and James Black, St. Louis, Mo., to erect proposed church and office building; 12 stories; steel and brick.

N. C., Canton.—Methodist Church awarded contract, it is reported, to S. C. Liner and J. P. Francis of Canton to erect \$10,000 edi-

N. C., Mount Airy.—Presbyterian congregation awarded contracts for erection of edifice; Lee Jones has contract for rock work and J. A. Tesh for wood work; both of Mount Airy.

Mount Airy.

S. C., Georgetown.—West End Methodist congregation awarded contract for erection of edifice to cost \$10,000; seating capacity 380; ordinary construction; stoves; electric lighting; plans by Wilson, Sampayrac & Urquhart, Columbia, S. C.; contract awarded to R. H. Jones, Georgetown. (See "Machinery Wanted.") Address The Pastor, West End Methodist Church.

CITY AND COUNTY

Ga., Macon—Engine-house.—Committee of Fire Department awarded contract to Wilder & Paulin, Macon, for crection of engine house in South Macon; 35x60 feet; brick cost \$5200; plans by C. R. Ellis, Macon.

Cost \$5250; plans by C. R. Ellis, Macon.

Mo., Poplar Bluff — Jail. — Butler County
Commissioners have plans by and awarded
contract to Pauly Jail Building Co. of St.
Louis, Mo., for erection of jail; 50x85 feet;
freproof construction; steam heat; cost \$25,000

Okla., Wagoner.—City will expend \$15,696

Okla., Wagoner.—City will expend \$15,696

to erect city hall; Mr. Roberts, Claremore, prepared plans and will supervise construction; contract recently noted awarded to C. Clippe, Claremore, Okla.

DWELLINGS

Ala., Birmingham.—Corey Land Co. wili expend \$25,990 to erect dwellings; ordinary wool construction; hot-air furnaces; elec-tric lighting; plans by Warren & Welton, Empire Bidg., Birmingham; contract re-cently noted awarded to J. B. Anderson & Co., Birmingham.

Ala., Fort Payne.—John W. Baxter will expend \$2000 to creet dwelling recently noted; 12 rooms with brick basement; 15x15 feet; frame superstructure; heating not decided; electric lighting; will award contracts to N. C. Turner and S. B. Smith (address, care of Mr. Baxton) for brick and convented. of Mr. Baxter) for brick and carpenter's work, respectively.

ings from 309-13 B St. S. E.; cost \$11,000; plans by C. E. Webb, Warder Bldg., Wash-

D. C., Washington.—W. S. Holton awarded contract to Burgess & Parsons, 612 13th St. N. W., Washington, for three two-story brick dwellings from 1519 to 1523 C St. S. E.; cost \$10,000; plans by F. T. Schneider, 1314 F St. N. W., Washington.

D. C., Washington.—Charles H. Cecil, 629 D St. N. W., awarded contract to J. C. Yost, 715 9th St. N. E., Washington, for erection of dwelling at 3425 16th St. N. W.; two sto-ries; brick; cost \$4200; plans by Julius Ger-muiller, 456 Louisiana Ave. N. W., Washing-

C., Washington. - Charles Fauking D. D. C., Washington.—Charles Faukina awarded contract to Peter Fersinger, 1 NS, N. W., Washington, for crection of dwelling at 440 Masachusetts Avc. N. W.; three sto-ries; brick; cost \$\$200; plans by Julius We-nig, 1223 F St. N. W., Washington.

nig, 1223 F St. N. W., Washington.
D. C., Washington.—W. S. Holton, 1307 H
St. N. W., awarded contract to Burgess &
Parsons, 612 13th St. N. W., Washington, for
erection of three two-story brick dwellings
at 1519-23 C St. S. E.; cost \$10,000; plans by
F. T. Schneider, 1314 F St. N. W., Washingten.

D. C., Washington.—Frederick A. Norway, 328 D St. N. E., awarded contract to J. W. Powell, 1151 5th St. N. E., Washington, for crection of four two-story brick dwellings at 644-50 F St. N. E.; cost \$14,000; plans by E. O. Volland, 1348 Kearney St. N. E., Washington

D. C., Washington.—William F. Huntress, 1017 9th St. N. W., has plans by and awarded contract to J. W. Powell, 1151 5th St. N. E., Washington, for two-story brick dwelling at 5741 Piney Branch Rd.; cost \$3000.

D. C., Washington.—G. B. Faukina awarded contract to Peter Fersinger, 1 N St. N. W., Washington, for crection of dwelling at 442 Massachusetts Ave. N. W.; three stories; brick; cost \$200; plans by Julius Wenlg, 1223 F St. N. W., Washington.

D. C., Washington.—H. Brodofsky, 2811 M St. N. W., awarded contract to Richard Ough & Son, 122 Wisconsin Ave. N. W., Washington, for erection of two-story brick store add welling at 2817 M St. N. W.; cost \$5900; plans by owner.

D. C., Washington.—Elizabeth G. McKnight, 1412 Chapin St. N. W., awarded contract to M. H. Herriman, 59 Bryant St. N. W., Washing-ton, for erection of two-story frame dwelling at 5015 14th St. N. W.; cost \$4000; plans by A. H. Beers, 1333 G St. N. W., Washington.

Flu., Jacksonville.—J. H. Tucker, Jr., awarded contract to N. L. Suelson, Jackson-ville, for crection of two buildings recently mentioned; 22x87 feet each; cost \$7500; electric and gas lighting.

fric and gas lighting.

Fla., Ocala.—Mrs. O. T. Green, Ocklawaha
Ave., awarded contract to L. Alexander (address, care of Mrs. Green) for erection of
two dwellings recently noted; two stories;
mill and frame construction; gas and electric lighting; cost \$5000; plans by Levi Alexander, Jr. (address, care of Mrs. Green).

Ga., Atlanta.—W. M. Kirkpatrick awarded contract to Quinn Calaway, Atlanta, for erection of frame residence; cost \$9000; hot-air heat; plans by J. C. Battle, 706 Grant Bldg., Atlanta.

Ky., Georgetown.—II. Churchill Blackburn warded contract to Penn Lumber Co., Georgetown, for erection of \$10,000 residence.

Ky., Kenova.-A. P. Banfield, Catellsburg awarded contract for erection of resi

dence,

Md., Baltimore.—Grace United Evangelical
congregation, Rev. C. I. Raffensperger, pastor, 1306 Wilcox St., will expend \$2500 to
erect parsonage recently noted; 15x51 feet;
stone and brick construction; hot-water
heat; gas and electric lighting; contract for
brick and stone work awarded to Eli G.
Neiswender, 1600 Monroe St., Baltimore; for
carpenter's work, to John Kelly, 124 Harford Ave., Baltimore; plans by B. Howard
Mason, 1221 Valley St., Baltimore.

Md., Baltimore.—Carroll Wright, 531 East 20th St., awarded contract to Webb & White, Maryland Telephone Bidg., Baltimore, for cottage on Allsa Ave., Allsa Terraces; two and a half stories; frame; two porches; cost \$4006; plans by Herbert C. Alken, 232 St. Paul St. Paltimore.

work, respectively.

Ark., Little Rock.—E. D. Bracy will expend \$2706 to erect dwelling; eight rooms; wood; concrete basement; heating plant to cost \$350; electric lighting; plans by R. P. Morrison (address, care of Mr. Bracy); contract recently noted awarded to A. C. Larr, Room 920 State Bank Bldg., Little Rock.

D. C., Washington.—H. H. McKee, 127 4th St. S. E., awarded contract to A. S. Yost, 1902 Pennsylvarila Ave. S. E., Washington, for erection of three two-story brick dwell
Md., Baltimore.—Margaret E. Fox, 228 Dol-phin & Routh St.; three stories; brick; 18x58 feet; cost \$19,000; will erect one-tract recently noted awarded to A. C. Larr, Room 920 State Bank Bldg., Little Rock.

D. C., Washington.—H. H. McKee, 127 4th St. S. E., awarded contract to A. S. Yost, 1902 Pennsylvarila Ave. S. E., Washington, for erection of three two-story brick dwell-west Mt. Royal Ave., awarded contract to a cont

Ignatius Smith, 237 Richmond St., Baltimore,

Ignatius Smith, 237 Richmond St., Baltimore, for erection of residence at Charles and 29th Sts.; two and a half stories; brick; 36x62 feet; tile roof; hot-water heat; cost \$12,000. Miss., Flora.—J. E. Wilson awarded contract to W. E. Russell (address, care of Mr. Wilson) for crection of dwelling; two stories; mill construction; grates; acetylenegas lighting; cost \$3000; plans by C. J. Harper, Jackson, Miss.

per, Jackson, Miss.

N. C., Scotland Neck,—G. Hoffman will erect \$10,000 residence; two stories; fireproof construction; plans by H. W. Simpson, Newbern, N. C.; contract awarded to Rhodes & Underwood, Newbern, N. C.

N. C., Winston-Salem.—J. W. Bennett awarded contract to Holt & Miller, Winston-Salem, for erection of dwelling; six rooms; frame; shingle roof; gas and electric lighting.

Tenn., Brownsville.—C. W. Forrest awarded contract to W. J. Taylor, Brownsville, for erection of dwelling; cost \$8000.

Tenn., Chattanooga.—Mrs. Mary Martin, 6th and Cedar Sts., awarded contract to J. M. Walker, 620 East 4th St., Chattanooga, for erection of proposed two double brick dwellings; six rooms each; composition roof; gas and electric lighting; cost \$1900.

and electric lighting; cost \$1900.

Tenn., Chattanooga. — J. H. Davenport awarded contract to Adams & Schneider, James Bidg., Chattanooga, for erection of dwelling recently noted; 10 rooms; brick and stucco; hard pine interior finish; electric lighting; cost \$9500; plans by Huntington & Sears, James Bidg., Chattanooga.

Tenn., Johnson City.—Isaac T. Williams has plans by and awarded contract to J. W. Peoples, Johnson City, for erection of proposed dwelling; nine rooms; ordinary construction; stoves; cost \$3000.

Tenn., Knoxville.—B. S. Williams awarded

Tenn., Knoxville.—B. S. Williams awarded contract to W. H. Wilkerson, Knoxville, for rection of two cottages; cost \$5000.

erection of two cottages; cost \$5000.

Tenn., Memphis.—E. E. Goodlander awarded contract to W. II. Neal (address, care of Mr. Goodlander) for erection of dwelling recently noted; 44x42 feet; brick and frame; furnace; cost \$9000.

Tenn., Memphis.—Wm. White has plans by and awarded contract to J. R. Ellis, 1170 James St., Memphis, for erection of three dwellings recently noted; one two stories, six rooms; two two stories, nine rooms; ordinary construction; hot-water heat; cost \$15,000. (See "Machinery Wanted.")

Tenn., Nashville.—Robert Bell awarded

Tenn., Nashville. – Robert Bell awarded contract to J. A. Chrisman, Nashville, for erection of bungalow; green slate roof; brick; brick and stone porch; French plateglass windows; hardwood floors; cost \$10,000; plans by Thomas S. Marr, Nashville.

Tex., Bastrop.—J. H. Pearcy awarded contract to J. R. Pfelffer, Bastrop, for erection of Joroom dwelling reently noted; two stories; frame; cost \$4000.

Tex., Belton.-Mrs, L. V. Burford awarded outract for erection of residence.

contract for erection of residence.

Tex., Bryan.—A. W. Kinnard awarded contract to R. S. Taylor, Bryan, for erection of residence; two stories.

Tex., Canyon City.—State Board of Education. Austin. Tex., awarded contract to Holderness, Oates & Lee, Stamford, Tex., for erection of residence for president of West Texas Normal School.

Tex., Dallas.—George A. Robertson awarded contract to Hewitt Contracting Co., Dallas, for erection of two-story brick veneer dwelling; two-story barn in rear; cost \$12,500; plans by C. D. Hill & Co., 234 Wilson Bldg., Liellas

Tex., Sulphur Springs.—C. C. Cosby awarded contract to Jack Sherman, Sulphur Springs, for erection of dwelling recently noted; 48x52 feet; two stories; mill construction; cost \$5000; plans by Hodge & Ellis, Sulphur Springs.

Va., Norfolk.—N. B. Joynes awarded con-tract to J. H. Pierce, Norfolk, for erection of brick store and dwelling; cost \$400.

Va., Norfolk.—H. I. Britten awarded con-tract to J. II, Stallings, Norfolk, for erection of dwelling; brick and frame; cost \$3500.

Va., Norfolk.—J. D. Levy awarded contract to Jesse Johnson, Norfolk, for erection of brick residence; cost \$700).

Va., Norfolk.—Irene Taylor awarded con-tract to Cox & Jones, Norfolk, for erection of brick residence; cost \$3606.

t two plant.

TOTO

o. will \$30,000.

o. will cost

ins by imore, heater

Realty l con-

n St., \$10,000 reder-Bldg., r sto-ectric com-

on of bids Ware

bacco

ck by L. H. 53×113

light

erect

cture sto-rick :

nd T , At

Ross

Va., Norfolk .- J. L. Hubard awarded contract to R. M. Price, Norfolk, for erectio brick dwelling; cost \$6000.

Va., Norfolk.-W. H. Robinson awarded co tract to E. L. Dozler, Norfolk, for erection of frame desidence; cost \$3000.

Va., Norfolk.—Dr. J. W. Manning, Bank of Commerce Bidg., will expend \$5500 to erect dwelling; mill construction; hot-water heat; electric lighting; contract recently noted awarded to B. I. Nichols, 517 35th St., Norfalls

Va., Richmond.-George B. Jennings will va., hichmond.—George B. Jenning with erect residence; two stories; brick; cost \$5000; dwelling will be 22x72 feet: hot-water heat; electric lighting; has plans prepared and contract awarded.

Va., Roanoke.-E. P. Thompkins, 311 Strick Land Bildg., awarded contract to Crumpecker & Barnett, 537 Ninth Ave. S. W., Roanoke, for erection of dwelling recently noted; 28x36 feet; ordinary construction; hot-water heat; electric lighting; cost \$2500; plans by owner.

W. Va., Tunnelton.—Penn Mercantile Co., Pittsburg, Pa., awarded contract to W. A. Liller, Keyser, W. Va., for erection of dwelling.

W. Va., Tunnelton.—Penn Mercantile Co., Pittsburg, Pa., awarded contract to W. A. Liller, Keyser, W. Va., for erection of dwell-ing and store building; cost \$10,000. (See

GOVERNMENT AND STATE

N. C., Oxford—Fair Buildings.—State Fair Commission awarded contract to York & Cobb, Greenville, N. C., to erect agricultural and horticultural building at State Fair grounds; fireproof; 60x150 feet; 25 feet high; reinforced concrete; ornamental windows divisions for exhibits and walks of concrete ornamental roof; cost \$6750; plans by F. K Thompson, Raleigh, N. C., who will supervise construction.

Okla., Lawton,-Capt. David L. Stone, con structing quartermaster, awarded contract to Luyster & Lowe, Dayton, O., at \$63,550 to erect and wire four additional buildings two sets of field officers' quarters, one double set officers' quarters and one set officers quarters; Newport Construction & Engineer quarters; Newport Construction & Engineer ng Co., Newport, N. J., at \$5948 for plumi

HOTELS

D. C., Washington.—Washington Hotel Co. awarded contract to S. J. Prescott Co., 814 13th St. N. W., Washington, for erection of hotel recently noted; 83x140 feet; fireproof construction; low-pressure steam heat; lighting not decided; electric elevators; cost \$250,000; plans by A. P. Clark, Jr., Union Trust Bidg., Washington.

D. C., Washington.—Washington Hotel Co. E. O. Whitford, president, 6 Wholesale Row Center Market, awarded contract to Samuel J. Prescott Company, 814 13th St. N. W. Washington, for erection of hotel: washington, for erection of note; sever stories; brick, stone, terra-cotta and con crete; cost \$200,000; plans by Appleton P Clark, Jr., Union Trust Bldg. (Recently mentio

Ga., Atlanta.—Joseph Gatins, Jr., New York, awarded contract to George A. Fuller Company, Fuller Bldg., New York, for erec-Company, Fuller Bidg., New York, for erec-tion of apartment hotel; fireproof construc-tion; steel frame, with terra-cotta; reinforced floors, arches and partitions; tile roof; gran-ite and marble base; limestone and terra-cotta trimmings; vacuum cleaning plant; cotta trimmings; vacuum cleaning plant high-power bollers; cost \$400,000; plans by W. L. Stoddard, 30 West 38th St., New York (Recently detailed.)

Ga., Hawkinsville.-H. H. Miller awarded contract to Toney Brinson, Hawkinsville, for erection of hotel. (See "Stores.")

Tex. Brownsville.-Port Brownsville To site Co. organized by R. L. Stell and others; awarded contract for erection of 22 build ings, including hotel; 100 rooms; reinforced concrete and brick: three stories; frontage 356 feet

Tex., Galveston.-Galveston Hotel Co. will Tex., Galveston.—Galveston Hotel Co. will expend \$500,000, including mechanical equipment, for erection of hotel; six stories; 150x 300 feet; fireproof construction; steam heating; electric lighting; one freight and two passenger electric elevators; plans by Mauran & Russell, St. Louis, Mo., and Houston, Tex.; contract recently noted awarded to James Stewart & Co., St. Louis, Mo., and Houston, Tex. (See "Machinery Wanted.")

HOTELS

Fla., Fort Myers.-Hotel Bradford awarded contract to N. L. Snelson, Jacksonville, Fla., for erection of hotel addition recently noted; x65 feet; ordinary construction; plans by rancis J. Kennard, Tampa, Fla.

MISCELLANEOUS STRUCTURES

D. C., Washington - Hospital. - Epis Ear and Throat Hospital, 1147 15th St. W., has plans by Hill & Kendall, Corco-Bldg., Washington, for enlargement and deling; three-story brick addition in lng, etc.; three-story addition estimated to cost \$38,904 and remodeling \$20,918; John Mc-Gregor, 729 12th st. N. W., Washington, is builder. rear, additional story to main building, repair-

Ga., Atlanta — Clubbouse. — Capital Chy Club, John W. Grant, president, awarded contract to R. M. Walker, 713 Grant Bldg., Atlanta, for erection of clubbouse previously mentioned; five stories and basement 78x188 feet; flat roof, with view to roof garden in future; fireproof reinforced-concrete construction, with brick walls; two passenger and one service and freight elevators; three dumbwaiters; light, heat and power from Georgia Railway & Electric Co.; plans by Donn Barber of New York, and P. T. Marye, Forsyth Bidg., Atlanta; cost \$200,000.

Mo., Kansas City-Building.—Swope Social Settlement awarded contract to Lonsdale Bros. of Kansas City to erect building; cost

RAILWAY STATIONS

Ga., Dublin.—Macon, Dublin & Savannah Railroad, D. B. Dunn, chief engineer, Macon, Ga., awarded contract to J. A. Kelley of Dublin to erect freight depot; brick; 30x172 feet; cost \$7000 to \$9000.

N. C., Newbern.—Norfolk & Southern Rallway, F. L. Nicholson, chief engineer, Norfolk, Va., awarded contract to D. J. Phipps, Newport News, Va., to erect union passenger station and division offices; 138 feet 3 inches by 32 feet 2 inches; ordinary construction steam heat; incandescent electric lighting estimated cost, \$35,000. (Recently mentioned.)

SCHOOLS

Ala., Attalla.—School Board will expend \$10,000 to creet school building; 55x91 feet; two stories and basement; ordinary con-struction; hot-air heat; plans by Chas. W. Carleton, hot-air heat; plans by Chas. W.
Carleton, Anniston, Ala.; contract recently
noted awarded to II. M. Johnson & Sons.
Gadsden, Ala. (See "Machinery Wanted.")
Ark., Fort Smith.—School Board authorized Issuance of \$200,000 of bonds for school

rovements; will erect one building \$100,000; heating plant, \$20,000; and building to cost \$60,000; heating plant, \$10, 000: contract awarded to Paine & Jo Fort Smith; plans by A. Klingensmith, Fort Smith; J. W. Morton, secretary of board. (Previously mentioned.)

Ark., Hope.—St. Rose Academy awarded contract to J. S. Curtis, Texarkana, Ark., for erection of school building; two stories; brick veneer; cost \$10,000.

Ga., Bowman, - Gibson-Mercer Academy awarded contract to Mr. Nichols, Athens for erection of girls' dormitory; water works, steam heat, etc.; cost \$11,000.

Ga , Decatur .- Agnes Scott College award stract to John F. Grandy & Son, Box \$40, Atlanta, Ga., for erection of science
hall recently noted under Atlanta; \$2x102
feet; four stories; ordinary construction;
cost \$25,000; plans by Morgan & Dillon, Grant feet; Bldg., Atlanta, Ga.; heating and lighting of in contract. Bldg

Miss., Purvis .-- Board of Trustees, T. W Miss., Purvis.—Board of Trustees, T. W. Davis, president, will expend \$3500 to erect dormitory; 44x62 feet, with kitchen annex; ordinary wood construction; fireplaces; electric lighting; plans by C. E. Thomas, Purvis; contract recently noted awarded to T. C. King, Purvis. (See "Machinery Wanted.")

Miss., Poplarville.-Pearl River County Ag ricultural High School Trustees awarded contract to Frazier & Bassich, New Orleans, La., for erection of administration building, auditorium 46x90 feet, basement and eight recitation-rooms; electric lights; artesian water; cost \$17,000. (Recently mentioned.)

N. C., Durham.—Trinity College, W. P. ew, president, awarded contract to N. Underwood, Durham, for erection of building recently noted; to contain lecture-rooms; 90x175 feet; ordinary construction; low-pressure steam heat; cost \$70,000; plans by Hook & Rogers, Charlotte, N. C.; several other buildings will be erected later.

N. C., Rutherfordton,-City will expend \$8500 to erect school building: 77x73 feet soon to erect school building; 17x3 reet mill construction; heating and lighting not determined; plans by Sayre & Baldwin, Anderson, S. C.; contract recently noted (under Asheville, N. C.) awarded to L. E. Powers. Rutherfordton

Okla., Custer .- City awarded contract to Hughes & Furry, Sentinel, Okla., for erection of school building; 10 rooms, corridors and auditorium; ordinary construction; hot-air Jacksonville, Fla. Hughes & Furry, Sentinel, Okla., for erection

heat: cost \$22,000: plans by J. T. Gilbraith. Chickasha Okla

Okla., Vinita.—City awarded contract to McKee Construction Co., Muskogee, Okla., for erection of high school and ward school buildings; cost \$50,000.

Okla., Oklahoma City.—City awarded con-tracts for schools as follows: At \$25,643 to Kennedy & Hobson, Oklahoma City, for erec-tion of South Oklahoma school; at \$9985 to Oklahoma Construction Co., Oklahoma City, for erection of addition to Eugene Fields school; at \$29,370 to Kennedy & Hobse erection of school at Packingtown; at \$7278 to Lewis & Kitchen, Oklahoma City, for heating Wheeler school; at \$4850 to same contractors for heating school: at \$3875 to A. J. Binns for plumbing Wheeler school,

8. C., Chester.-City awarded contract at \$10,650 to J. C. Carpenter and J. W. Wylle of Chester for erection of school; plans by Sayre & Baldwin, Anderson, S. C.

Sayre Tenn, Chattanooga, — Tenn, Chattanooga, — Works, H. F. Van Dusen, chairman, awared contract to J. H. Orr (address, care of Board of Public Works) at \$28,595 for erection of Jefferson Street school recently have by Adams & Alsup, James Bidg.,

Chattanooga. - Board of Public Tenn ... Works, H. F. Van Dusen, chairman, awarded works, H. F. van Dusen, charman, awarder contract to P. O. Rogers & Son (address, care of Board of Public Works) at \$21,438 for erection of Chestnut Street school recently noted; plans by C. S. Bearden, Chamberlain Bldg., Chattanooga,

Tenn., Chattanooga. - Board of Pul Works, H. F. Van Dusen, chairman, awarded works, H. F. van Dusen, chairman, awarder contract to W. A. Duncan, Chattanooga, at \$13,589 for erection of Highland Park school recently noted; plans by Huntington & Sears, James Bidg., Chattanooga.

Tex., Jacksboro.—City awarded contract to Bushnell & Johnson, Ryan, Okla., for erec-tion of school; 76x95 feet; two stories; brick; stone trimmings; concrete foundation; steam heat; cost \$30,000.

Tex., Amarillo.-City awarded contract to H. W. Hoel Building Co. of Fort Worth, Tex., for erection of \$50,000 high-school building; plans by Kaufman & Son, Amarillo, call for two-story-and-basement building; 132x103 feet; gray pressed brick; stone trimmings. ol building; (Recently mentioned.)

Tex., Eagle Lake.—City awarded contract to George W. Keith, Eagle Lake, for erection of \$20,006 school; construction under supervision of J. C. Alexander, Houston, Tex.

Tex., Luling.—Board of Education, Luling district, will expend \$10,000 to erect addition to school building; 43x70 feet; ordinary construction; brick; plans by R. L. Pierce, San Antonio Antonio, Tex.; contract recent awarded to R. H. Tadlock, Luling. recently noted

Va., Richmond.-Catholic church will pend \$27,000 to erect school-Van de Vyver school; 124x91 feet; two stories and base-ment; ordinary and mill construction; conment; ordinary and mill construction crete and brick; 12 classrooms and rium: hot-air heat (fan system); electric lighting : plans by Charles M. Robinson, Mutual Bldg., Richmond; contract recently noted awarded to John Armhelm & Bro., 20 North Harrison St., Richmond; heating, lighting and plumbing not included in con-

STORES

Ala., Birmiugham.—D. C. Cooper, president First National Bank, Oxford, Ala., awarded contract to Cleckler Bros. & Humphries, An-niston, Ala., for erection of store and office building; two stories; cost \$10,000.

Ala., Fort Payne.-J. B. Haralson will ex-Alla, For Fayle.—3. B. Hardison will ex-pend \$5000 to erect store building; 100x80 feet; one story; fireproof construction; plans by Mr. Wall, Chattanooga, Tenn.; cont recently noted awarded to Alton Park ber Co., Alton Park, Tenn.

Ark. Dumag.-J. B. & A. Isom and W. F. ryear have plans by and awarded contract Floyd Thrash, Dumas, for erection of the building recently noted; 42x60 feet; brick : cost \$3500.

Washington.-H. Brodofsky ontract for erection of store and dwelling. (See Dwellings.)

Fla., Fort Myers.-H. E. Heltman award ontract to Florida Construction Co., Lakeland, Fla., for erection of eight stores re cently noted; two stories; pressed brick and marble; electric lighting; cost \$25,000; plans by F. J. Kennard, Tampa, Fla.

Fla., Sanford.—F. L. Woodruff and N. H. Garner awarded contract to N. L. Smelson, Jacksonville, Fla., for erection of business building recently noted; 48x95 feet; sand-

Ga., Comer.-W. A. Rowe & Co. awarded contract to Smith Constructing Co., Athens, Ga., for erection of \$16,000 store building.

Ga., Hawkinsville.-H. H. Miller awarded contract to Toney Brinson, Hawkinsville, for erection of building recently mentioned; store and hotel; three stories; 70x26 feet; ordinary construction; cost \$4000.

La., Coushatta.-W. A. Boyleston awarded ontract for erection of business building to eplace burned structure.

Md., Baltimore.—Luke Ellis, 210 East Lex. Ington St., has plans by and awarded con-tract to A. Aaron, 802 Light St., Baltimore, for erection of two store buildings at 1700 Light St.; one and two stories; 15x40 feel and 15x80 feet; brick; tin roofs; galvanized iron cornices; cost \$3500.

Mo., St. Louis.-Washington awarded contract to Jas. H. Bright Contract lng & Building Co., St. Louis, for erection of building (recently mentioned) for Friedman-Shelby Shoe Co.: nine-story-and-basement Sherby Shoe Co.; hime-story-and-basemer building; 66x134 feet; reinforced concrete general offices, salesrooms and storage steam heat; lighting not determined; eletric elevators; cost \$150,000; plans by Eames & Young, Wright Bldg., St. Louis.

N. C., Hendersonville,-James M. Young will erect two-story business building; gray pressed brick; awarded contract to J. J. Betch, Hendersonville, for brick work; F. C. Fogleman, Hendersonville, will supervise vood work.

Lawton.-Benbow-Haton awarded contract to Texas Building Co., Fort Worth, Tex., for erection of store building four stories; reinforced concrete; fireproof

S. C. Sumter.-Wilson & Rowland awarded s. c., sunter.—Wison & Rowland awarded contract to G. C. Nesmuth, Sumter, for erec-tion of mercantile building recently noted; 30x60 feet; ordinary construction; stoves; electric lighting; cost \$2500; plans by J. H. Johnson, Sumter.

Tex., Abilene.-Compere Bros. and Henry awarded contract for erection of two one-story and two two-story store and office buildings recently noted; brick; plate-glass fronts; upper glass prism; cost \$20,000; plans by Preston & Curtis, Abilene.

Tex., Abilene.—Compere Bros. and Henry ames awarded contract to G. W. Brillhart, Abilene, for erection of four buildings; gray brick facing: plate-glass fronts with prism glass above : two stories.

Tex., Dallas.-Butler Bros., Chicago, Ill., awarded contract to Selden-Breck Construction Co., Fullerton Bidg., St. Louis, Mo., for crection of store building previously noted under "Miscellaneous Structures;" building to cover entire block; will be eight stories and basement; 500,000 square feet of floor and busement; bosons square test of home space; site and building to cost \$1,500,000; plans and supervision of construction by Mauran & Russell, St. Louis, Mo.

Tex., Petrolia.—E. M. Perkins and J. J. Taylor awarded contract to J. R. Horn (address, care of Mr. Perkins) for erection of proposed store building; 25x90 feet; ordinary construction; natural gas heating; cost propos \$2800.

Tex., Sabinal.-L. M. Peters awarded contract to S. T. Hutchins n. Sabinal, for erection of husin s building; one-story doubledecked; 80x50 feet.

Tex., Victoria. - Geo. Dieshach awarded rex., Victoria. — Geo. Dissoach awarded contract to Gruy & Wilson, Victoria, for erection of store building recently noted; 75x24 feet; brick; electric lighting; cost \$8000; plans by Jules Leffland, Victoria.

Tex., Yoakum.-J. M. Haller awarded con-ract for erection of store building to retract place structure previously reported burned; brick construction : contain five stores : cost \$11,000

Va., Norfolk .- J. D. and C. C. Couper and others three ings.") awarded contract for erestores and dwellings. (See

W. Va., Martinsburg.-W. E. Minghiol awarded contract to W. H. Frankenburg, Martinsburg, for erection of addition to store and remodeling garage in rear; brick; cost \$5000; plans by Woltz & Porter, Martinsburg. (Previously noted under "Miscellaneous

W. Va., Tunnelton.—Penn Mercantile Co., Pittsburg, Pa., awarded contract to W. A. Liller, Keyser, W. Va., for erection of store building; 50x70 feet; two stories and basement, with seven-room dwelling in co tion with store; steam heat; gas and electric lighting; freight elevator; cost \$10,000. (See "Machinery Wanted.")

WAREHOUSES

Sa., Atlanta.—The Texas Company, Hous-l, Tex., awarded contract to Moise De Leon Atlanta to erect three-story reinforced Ca

warded Athens, ng.

1910.

warded ille, for il; store rdinary

warded ding to

ed con timore, at 1701 40 feet anized-

versity tion of

Eames

Young ; gray J. J. ; F. C. pervise

Fort Ilding; proof; warded toves;

of two l office e-glass plans Henry

, Ill., struc-o., for noted stories

J. J. a (ad-ion of dinary cost

arded , for loted; cost

rned: r and on of Owell-

ghiai burg, store cost burg. neous

store base-nnec-

Henry

; gray prism

floor 00,000; on by

erec-

Leon

warchouse and office building; cost about \$300,000; will make Atlanta main distributing point for Southeast.

Ga., Columbus.—M. C. Barlow has contract

to remodel lower half of Alabama warehouse for Farish & Sons; improvements will in-clude brick partitions and fire walls.

Md., Baltimore.—Western Maryland Rail way awarded contract to Armored Concrete & Construction Co., 1210 Block St., Baltimore, to erect four additional stories to warehouse at York and Johnson Sts.; cost about \$100,000; plans by Emory & Nussear, 415 Professional Bidg., Baltimore. (Recently prestioned)

mentioned.)

Md., Baltimore,—Granville O. Wilson, 218
West Liberty St., awarded contract to Harry
H. Brown, 109-111 Clay St., Baltimore, to
erect warehouse at 106 Clay St.; three storles; 16x79 feet; brick; cost \$8000.

ries; 16x79 feet; brick; cost \$8000.

Md., Baltimore.—George F. Bucholz awarded contract to John J. Moylan, 117 East Center St., Baltimore, to erect warehouse at 606 North Eutaw St.; three stories; brick; 25x99 feet; cost \$6500; plans by Henry J. Tinley, 314 North Charles St., Baltimore.

Mo., 8t. Louis.—Alex. Kilpatrick & Sons Foundry Co., 1631 North 12th St., awarded contract to C. O. A. Brunk, 3815 Labadie Ave., St. Louis, Mo., for erection of warehouse re-cently noted; ordinary construction; brick; cost \$4500.

N. C., Charlotte.-William C. Robinson & N. C., Charlotte.—William C. Robinson & Son Company, 1501-1507 Thames St., Baltimore, Md., awarded contract for erection of warehouse; 30x87 feet; galvanized iron; tarconcrete floors; capacity 400 to 500 barrels of oil; construction begun.

Tex., Uvalde.—B. K. Jones awarded con-tract for erection of warehouse 60x90 feet; ordinary construction; cost \$4000; to be occu-pled by W. E. Smith, wholesale grocers.

RAILROAD CONSTRUCTION

RAILWAYS

Alla., Birmingham.—Contracts are reported signed by the Illinois Central, St. Louis & San Francisco and the Central of Georgia railroads, besides the Birmingham Belt Line, to rearrange tracks in Norwood, a suburb, at a cost of about \$125,000, work to be done by the Illinois Central for the Belt Line. Two viaducts and an underpass are to be constructed. A. S. Baldwin is chief engineer of the Illinois Central at Chicago, Ill.

Ala., Culiman.—A dispatch says that the

the Illinois Central at Chicago, Ill.

Ala., Cullman.—A dispatch says that the stockholders of the Cullman Coal & Coke Co. have voted to issue not more than \$759,009 of bonds, which will be used to complete its railroad from Cullman to Bremen.

Ala., Hardwick.—C. W. Lane & Co., Inc., 317 Candler Bidg., Atlanta, Ga., have contract for lining with concrete a 1400-foot tunnel on the Seaboard Air Line at Hardwick, Ala. Cost \$60,000.

Ala., Sheffield.—The Southern Railway, it is reported, proposes to build a detour line through Sheffield. W. H. Wells is chief engineer of construction at Washington, D. C. Ark., Harrison.—Col. L. S. Powers, for the

Ark., Harrison.—Col. L. S. Powers, for the Fort Smith, St. Louis & Chicago Railroad Co., is reported to have established engineering offices at Harrison, and survey is to be-

ing offices at Harrison, and survey is to be-gin immediately.

Fla., Boynton.—The McCrimmon Lumber Co. of Miami, Fla., is building a railroad westward from Boynton, about eight miles, requiring about 50,000 cubic yards of earth to be moved.

Fig., Ocala.—Construction is reported active on the extension of the Ocala Northern Railroad from Port McCoy to Rodman. Line is now in operation between Ocala and Port McCoy, and it will be finally extended to Palatka. E. P. Rentz of the Rentz Lumber Co. is president.

Palatka. E. P. Rentz of the Rentz Lumber Co. is president.

Fla., Tampa.—An officer of the Seaboard Air Line confirms the report that the company proposes to build a line from Fruitville, Fla., to Venice, Fla., 13 miles. There will be 1900 feet of trestles. E. L. Anderson & Co. of Dunnellon, Fla., have been awarded the contract. On the extension of about five miles from Nichols to Mulberry, Fla., the contractors are Burwell & Hillyer of Jacksonville, Fla. The extension from Dunnellon to Hernando, Fla., 13 miles, is let to Kibler, Boswell & Co. of Dunnellon.

Ga., Atlanta.—The Fairburn & Atlanta Railway & Electric Co. is reported to have completed its grading with exception of one mile from Atlanta to Fairburn, 20 miles. All will, however, be done within a few weeks, when tracklaying will immediately begin. W. T. Roberts is president, and L. W. Roberts, chief engineer at Fairburn, Ga.

Ga., Bowdon.—J. D. Hunter of Anniston, Ala., has completed a survey for the Bow-

don Railway between Bowdon and Mandeville, Ga., 12 miles.

ville, Ga., 12 miles.

Ga., Statesboro.—W. J. Oliver of Knoxville,
Tenn., telegraphs the Manufacturers' Record
confirming a report that he has completed
financial arrangements to extend the Savannah, Augusta & Northern Railroad, but he
says that it has not been definitely decided
to make Athens, Ga., the objective point.

to make Athens, Ga., the objective point.

Ky., Lexington.—An officer of the Lexington & Eastern Railway says that the reported extension is for only three miles from Jackson, Ky., along the main fork of the Kentucky River to the mouth of Quicksand Creek. Contract is let to Charles J. McKinney of Knoxville, Tenn., and will be completed in September.

Ga., Lyons.—The Wrightsville, Adrian & Lyons Railroad Co. is reported to have com-pleted five miles of grading, and a trestle over Swift Creek is under construction. It is expected to begin tracklaying within two

ls expected to begin trackinging within two weeks.

Ky., Louisville. — The Foster-Creighton-Gould Company of Nashville, Tenn., has been anwrded contract for the substructure of the new bridge to be built over the Ohlo River at Louisville for the Kentucky & Indiana Bridge & Railroad Co. There will be eight piers, six of them in the river, and they will require about 25,000 cubic yards of concrete.

Ky., Murray.—Concerning the report that the Murray Commercial Club has appointed committees to promote plans for a railroad from Murray to the Tennessee River, a letter to the Manufacturers' Record says that the line would be 15 miles long via the Pottertown clay mines. An organization is not yet formed, but the road will probably be called Murray & Tennessee River Railway. H. B. Gilbert is chairman of the committee.

Md., Cumberland.—The Western Maryland

Md., Cumberland.-The Western Maryland and, Cumperiand.—The Western Maryland Railroad's engineering department is reported preparing plans for a new passenger station at Cumberland and a large extension of freight yards and sidings. H. R. Pratt is chief engineer at Baltimore, Md.

Miss., Jackson.—The New Orleans Great Northern Railroad is reported assembling forces to build its proposed extension into Jackson, four or five miles. N. G. Pearsall is general manager at Bogalusa, La.

is general manager at Bogalusa, i.a.

Mo., Deering.—The Deering Southwestern Railroad, six miles long, from Deering to Camp, Mo., will, it is reported, be extended to Caruthersville, Mo. F. B. Montgomery is president and general manager at 234 Michlgan Ave., Chicago.

Mo., Licking.—C. H. Evers is reported to have beginn a superior of the Miscouri

Mo., Licking.—C. H. Evers is reported to have begun a new survey for the Missouri Inland & Southern Railway from Rolla to Houston, Mo., about eight miles. E. E. Young of Licking, Mo., is president.

Okla., Oklahoma City.—Survey is reported under way for a proposed interurban railway from Oklahoma City to Hobart, Okla., 70 miles. G. Van Brunt of Houston, Tex., and I. H. Kempner of Galveston are said to be interested.

S. C., Edgefield.—J. P. Charles, secretary of the proposed Greenville, Greenwood & Au-gusta Railway, according to a dispatch is securing rights of way for the line, and is nuoted as saving that construction will begin

quoted as saying that construction will begin in the near future.

Tenn., Lewisburg. — The Lewisburg & Northern Railroad Co. has filed charter with \$100,000 capital to build a line from the Alabama boundary in Giles county north to Sumner county. The incorporators are R. C. Armstrong, C. C. Houston, J. A. Hardison of Lewisburg, Alexander Austin of Elkton and D. C. Sherrell of Delrose, Tenn. The entire line will extend from Athens, Ala., to Brentwood, Tenn., via Elkton and Lewisburg. The Louisville & Nashville Railroad is said to be interested.

Tex.. Bartlett.—One of the interested par-

to be interested.

Tex., Bartlett.—One of the interested parties says that nothing can be announced yet concerning the reported plan to purchase the Bartlett & Florence Railway and extend it to Marble Falls, or that a line may be built from Marble Falls to Temple. P. L. Downs and Daniel Grigsby of Temple and C. D. Alexander of Dallas were reported to be connected with the plan.

about 40 miles long from Crystal City to Gardendale, Tex., as previously reported.

Tex., Fort Worth.—J. B. Buchanan, North Fort Worth, says there is nothing to announce yet concerning the proposed interurban electric railway from Fort Worth to Mineral Wells, about 55 miles.

Tex., Galveston.—The Gulf, Colorado & Santa Fe Railway proposes to expend about \$100,000 for track improvements in Galveston, besides \$200,000 for other facilities. F. Merritt is chief engineer at Galveston, Tex.

ritt is chief engineer at Galveston, Tex.

Tex., Mobectie.—Survey is just completed
by the Central Construction Co. on the first
block of the American Central Railway between Miami and Vernon, Tex., and it is
hoped to begin construction late in the fall.
The chief engineer is Major George W. Angle.
M. F. Johnson is secretary, the president being F. P. Reid.

Tex., Paris.—The St. Louis & San Fran-cisco Railroad, which has requested bids for a new union station, will lay new tracks at a cost of about \$50,000. M. C. Byers is chief er at St. Louis, Mo.

Tex., Palestine.—An officer of the Interna-tional & Great Northern Railroad says he knows nothing about any plan to build a line from Palestine to Dallas, Tex., when the re-ceivership is ended. This denies a recent

Tex., Llano.—The Southern Pacific, it is reported, contemplates extending the Llano branch westward to connect with the Frisco system. A. V. Kellogg is engineer main-tenance of way at Houston, Tex.

Tex., Lubbock. — Contracts are reported signed by a citizens' committee with the Crosbyton South Plains Railroad Co. for a line from Lubbock to Crosbyton, Tex., 38 miles; construction to begin within a month.

Tex., Roscoe.—The Roscoe, Snyder & Pacific Rallway, according to a report, will be extended southeast from Roscoe to Cross Piains, Tex., 75 miles. Martin Duval is chief engineer at Snyder, Tex.

engineer at Snyder, Tex.

Tex., San Antonio.—The San Antonio & Aransas Pass Railway, according to a report quoting J. 8. Peter, general manager, will lay heavy rail on 100 miles of line between Houston and Yoakum, Kennedy and Skidmore, and Yoakum and Moulton.

more, and Yoakum and Moulton.

Tex., Stamford.—The Stamford & Eastern Railway Co. is reported organized, according to a dispatch, to build a line from Stamford enstward to develop coal fields, 60 or 70 miles. The directors are W. T. Andrews, president; R. V. Colbert, Frank S. Hastings, P. P. Berthelot, R. L. Penick, J. C. Bryant, B. E. Sparks, L. M. Bule, J. A. White, Chas. Brewington and T. M. Richardson.

Tex., Velasco.—The Houston & Brazos Valley Railroad, it is reported, will build a four-mile extension to the lighthouse. Felix Jackson is vice-president and general manager at

Va., Hot Springs.—Reported that a railroad may be built to the top of the Delafield trail on the summit of the mountain. M. E. Ingalls is said to be interested.

galls is said to be interested.

Va., Norfolk.—The Norfolk & Portsmouth Belt Line Railroad, says an official, is not now considering any new construction. This denies a report that it contemplated extensions and improvements at Sewall's Point. The company has just completed three-quarters of a mile of double track along the Southern branch of the Elizabeth River.

va., Vienna. — The Washington-Virginia Railway Co. has been chartered to build a line from Vienna to Bluemont, Va., 50 miles; capital \$1,000,000. The officers are: President, M. E. Church; vice-president, E. B. Fadeley: secretary, F. E. Parker; treasurer, L. L. Northrop, all of Falls Church, Va.

L. Northrop, all of Falls Church, Va.
W. Va., Alexander.—The Croft Railroad Co.
of Alexander has been chartered to build a
line from Alexander to Zender's farm; capital \$8900. The incorporators are J. H. Henderson, J. L. Kendall, S. A. Kendall and Milton Henderson of Pittsburg; J. Gibson Mclivan, J. Gibson McIlvan, Jr., Hugh McIlvan
and W. B. McIlvan, all of Philadelphia, Pa.

and W. B. McIlvan, all of Philadelphia, Pa.
W. Va., Clarksburg.—Joseph Fuccy of Weston has been given contract for grading and masonry on seven miles of line of the Clarksburg & Weston Electric Railway between Clarksburg and Byron.
W. Va., Fayetteville.—The Chesapeake & Ohio Railway is reported to have field maps for the Meadow River extension of the Gauley branch, to be 6i miles long from the mouth of 20-mile creek, on Gauley river, along Gauley and Meadow rivers to Rupert, W. Va. This will open up coal lands. H. Pierce is engineer of construction, Richmond, Va.

STREET RAILWAYS

Ala., Selma.—The Selma Street & Sub-irban Railway Co., it is reported, will build

a line from Selma to Summerfield. Ala., nine

Ark., Hope.—A 50-year franchise has been granted to Le Grand Jones, J. F. Black and associates for an electric street railway system. Mr. Black is president of the Texarkana (Ark.) Trust Co.

Ga., Valdosta.—E. E. West of Jacksonville, Fla., is reported to have secured complete control of the Valdosta Street Railway, and ontemplates an extension.

Okla., Enid.—W. H. Bryant is reported to have begun construction of the North Enid Traction Line, and H. M. Spaulding, the promoter, is quoted as saying that it may be completed by October 1.

Tenn., Chattanooga.—The Board of Aider-men has granted a franchise to D. J. Duncan and associates for a new street railway.

Tenn., Memphis.—An officer of the construction department of the Southern Railway denies the report that the company intends making improvements between Memphis and Chattanooga.

Tex., Austin.—A street-railway franchise has been voted to Charles V. Burkhead and associates of San Antonio, Tex.

Tex., Corpus Christi.—An officer of the St.
Louis & San Francisco Railroad says the
company does not intend to build a line from
Brady to Corpus Christi. This denies a cur-

Tex., San Antonio.—The San Antonio Trac-tion Co. will extend its East Commerce St. line one mile and possibly two miles. The South Flores St. extension is also to be made by the company.

W. Va., Weston.—An ordinance is under consideration to grant a street-railway fran-chise to S. G. Monroe.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Manufacturers and others in need of machinery or supplies of any kind are requested to consult our advertising columns, and if they cannot find just what they wish, if they will send us particulars as to the kind of machinery or supplies needed we will make their wants known free of cost, and in this way secure the attention of manufacturers and dealers throughout the country. The Manufacturers' Record has received during the week the following particulars as to machinery and supplies wanted.

Angle Irons, etc.—Z. J. Carter & Son, Wallace, N. C., wants addresses of manufacturers of angle and sheet irons.

Asphalt Block .- John C. Weinbrunn & Bro. 813 North 5th St., Richmond, Va., want addresses of manufacturers of asphalt block.

Automobile Supplies, etc.—Bristol Automo-bile Co., 19 Lee St., Bristol, Va., wants prices on automobile supplies and accesso-

Bank Fixtures.—C. B. West, Greenville. N. C., wants prices on bank fixtures.

Blackboards.—C. C. Hamby, Prescott, Ark., wants prices on blackboards for \$25,000 school Boiler.-See "Sawmill."

Boiler.—John G. Duncan Company, 308 West Jackson Ave., Knoxville, Tenn., wants deal-ers' prices on 125-horse-power second-hand return-tubular boiler; 100 pounds and 125 pounds working pressure.

Boller, etc.—F. C. Bering, secretary-treas-urer Conrad Bering Lumber Co., Houston, Tex., wants 72x18 boller with smokestack and necessary breeching to connect with five bollers, for plant at Pawnee, Ls.

Bollers.—Walter M. Lee, secretary Citizens' Committe, Gordon, Ga., wants prices on

Boiler.—Ellington Building Supply Co., Ra-leigh, N. C., wants 80-horse-power or 100-horse-power return-tubular boiler complete.

Bollers.—Coast Fishing Corporation, Reed-ville, Va., wants prices on three Scotch boll-ers; 150 horse-power each; 160 pounds working pressure.

Boilers.-Mt, Gilead Cotton Oil Co., Mt. Gliead, N. C., wants prices on boilers.

Bottling Machinery, etc.—Finks Manufac-turing Co., Fort Smith, Ark., wants prices on bottle and can filling machines.

Boxboard Machinery. — Manufacturer, Drawer D, Rocky Mount, Va., wants auto-matic boxboard machinery.

Brick .- Methodist Episcopal Church South,

Dr. H. S. McCrary, chairman building committee, Royston, Ga., wants prices on bricks for \$8000 church

Brick Machinery.-Northwestern Brick Co. . Kentner, president, Wichita F will open bids July 5 on equipmen plant; daily capacity, 100,000 bricks president. Wichita Falls

Bridge Construction .- Palm Beach County Mest Palm Beach, Fla., will open bid 5 for construction of bridge across Lox abatchee River at Jupiter, Fla.; plans and specifications on file in office of Fred E. Clerk of Circuit Court; certified

Bridge Construction.-Bids will be received until September 5 for repair of three-spai fron bridge across Broad River, in Cheroke-county, South Carolina; also for rebuilding approaches; latter to be of steel on concrete foundation; plans, and specifications on in the office of County Supervisor E. I office of County Supervisor E. Felix ab, Gaffney, S. C.

Bridge Construction. -- Greenville Pavin dewer Commission, W. E. Beattie, chair Greenville, S. C., will open bids July or construction of reinforced-concrete bridge; each bid to be accompanied by certi fied check for \$2500; plans and specificati Jaudon Engineering Co., Savannah, Ga., or may be obtained by writing them at P. O. Box No. 61, Greenville, S. C.

Bridge Construction. — Road Commis Stewartsville township, Scotland county. open bids and plans July 11 at office of M. L John, Laurinburg, N. C., for construction seven reinforced-concrete arch bridges follows: Roper Mill Creek, 14-foot span, foot roadway, two feet to water, three-foot 16 inches higher than old bridge water, is inches higher than old bridge: Stewartsville bridge, 30-foot span, 16-foot roadway, four feet to water, three-foot water, raise roadway 16 inches; Peddler bridge, 30-foot span, 12-foot roadway, raise roadway two feet above old bridge; John Station Big Branch, 14-foot span, 16-foot roadway, raise old roadway 18 inches; John Station, 39-foo span, 12-foot roadway, raise old bridge two foot roadway, raise old bridge two inches; Caledonia bridge, 30-foot span, 12-foot roadway, three feet to water, raise roadway six inches; Fairley Old Mill, 30-foot span, 16-foot roadway, five feet to water, raise roadway above old bridge eight

Bridge Construction. — J. D. Laughlin, Chancery Clerk Warren county, Vicksburg. Miss., will open bids July 5 for construction of steel and concrete bridge over slough ear Fisher's Ferry as per plans and speci-cations on file in Chancery Clerk's office.

Bridge Construction,-H. C. Glover, chair-Newnan, Ga., wants blds (after n rer's own plans and specifications ion of Lighway bridges across Ch hoochee River at Moore's Ferry; two bridges 200 feet each, and main bridge, about 300

Bridge Work.-Boyd County Fiscal Court Catlettsburg, Ky., will open bids July 5 fc construction of abutments for Iron bridge across East Fork and White's Creek, an culvert at Ford Hollow; plans, specification will open bids July 5 for and copy of contract can be seen at office of County Court Clerk or of F. C. Malin, Coun-Attorney, Ashland, Ky.; certified check \$100 to accompany each bid and be ad-essed to Alexander Johnson, road and supervisor; bid to be filed not later bridge than July 2.

Building Materials.—Wise Granite Co., Wise, N. C., wants prices on all kinds of building materials.

Building Materials,-Walter M. Lee, s tary Citizens' Committee, Gordon, Ga., wants n building materials.

Building Materials.—S. N. Daws, Johnson, Tenn., wants bids on brick, lumbe

Building Materials, etc.—James Stewart & Co., St. Louis, Mo., invite bids on building materials, including cement, sand, gravel, brick, hollow tile, lumber, etc., for \$500,000 otel at Galveston

Building Materials.—C. B. West, Green ville, N. C., wants prices on reinforced con concrete, terrazzo and tile floors, plat and prism-glass fronts, metal late wainscoting, steel stairways, stru tural steel, iron material, fireproofing paints stone lintels, capitals, string courses, crushed

Chemical Laboratory,-C. C. Hamby, cott, Ark., wants prices on chemical labora tory for \$25,000 school.

Church Furniture. - Methodist Episcopa Church South, Dr. H. S. McCrary, chairman building committee, Royston, Ga., wants prices on church furniture.

Church Furnishings .- W. H. Murray, George

town, S. C., will buy pews, pulpit furniture, etc., for \$10,000 church building.

Concrete Curbing, etc. — Baltimore (Md.) Board of Awards, care of J. Sewell Thomas City Register, City Hall, will receive sepa rate bids until July 6 to renew such armored concrete curb on York Rd. as may be ordered concrete curb on York Rd. as may be ord by City Engineer, for long-leaf yellow paving blocks delivered f. o. b. Baltim and to crect in place steel floor joists under roadways on Guilford Ave. bridge over Jones' Falls; specifications, plans and blank proposal sheets can be had at office of B. T. Fendall, City Engineer, upon application.

Cooperage Machinery.—Penick & Ford, Ltd. New Orleans, La., want addresses of manufacturers of cooperage machinery.

Corner Columns, etc.-H. M. John ions, Gadsden, Ala., want prices on columns and bull-nose corner beads.

Curbing and Draining.—L. B. James, City Recorder, Grenada, Miss., will open bids July 5 for enclosing City Park with stone or curb (estimated 1000 cubic feet) ing concrete drain (estimated 1000 et). For specifications address City Recorder.

Culvert Construction.-Board of Public Affairs, F. M. Oliver, clerk, Little Rock, Ark., will open bids July 11 for construction of oncrete bridge or culvert at 19th and Com merce Sts. and concrete culvert at 4th and Spring Sts.; also repair of storm sower in front of auditorium rink; plans and specifi-cations on file in office of Superintendent of Public Works: bids to be filed for each parate : bids to be addressed to Mr.

Cranes.—R. K. Papin & Co., Pierce Bidg., St. Louis, Mo., wants standard-gauge four or eight-wheel locomotive crane, 50-foot boom, with fall block and hook; also four or eight-wheel standard-gauge crane, 35 to 40-foot boom, with one-yard clam-shell bucket.

Crushers and Mixers.-Finks Manufacture ing Co., Fort Smith, Ark., wants prices o shers and mixers for manufacturing s, metal polish, cement, etc

Desks.-C. C. Hamby, Prescott, Ark., wants prices on desks for \$25,000 school building

Drainage System. — Gid Montjoy, Sr., Mayor, and Board of Aldermen, City Hall, Greenwood, Miss., will open bids July 5 for following work according to plans and specifications on file in office of City Clerk and Engineer. Engineer: 22 acres of clearing; 14,800 linea feet of main canal; 3800 linear feet of lateral anal, containing 75,000 cubic yards of exca ation; 1300 feet 36-inch by 39-inch rein orced-concrete conduit; 1700 feet 25-inch by S-inch reinforced-concrete conduit; 1600 fee 18-inch vitrified pipe; 3 concrete bulkheads; : 3 brick manholes: crete manh old to be accompanied by certified chain of 5 per cent, of bid; proposal blanks furnished for that purpose R. H. Hicks, City Clerk.

Dredge Bucket .- See "Cranes.

Electric-light Plant.—Light Committee (T. Dennis, L. R. Gills and A. W. Robertson). Redford City, Va., will open bids July for furnishing material and machinery a construction of hydro-electric plant for furnishing material and machinery construction of hydro-electric plant James River near Big Island; also for struction of transmission line to struction of transmission line to Bedford City (about 25 miles), and for furnishing and installing machinery for substation; plans and specifications on file in Mayor's office, Bedford City, and can be seen at office of Francis R. Weller, engineer, Hibbs Bldg. Washington, D. C.; specifications mailed on

Electric-Light Plant .- See "Water-Works.

Electric-light Fixtures .- J. R. Ellis, 1170 James St., Memphis, electric-light fixtures phis. Tenn., wants prices or

Electric-light Plant.-F. C. Bering, secre Houston, Tex., will probably want electric light plant for Pawnee (La.) lumber plant.

Electrical Machinery .- See "Vinegar Plant.

Electrical Machinery. - Jones Cold Store Door Co., Hagerstown, Md., is receiving the electric-power for factory building.

Electrical Machinery.—Geo. E. Murphy, 1724 Candler Bidg., Atlanta, Ga., wants gen-erator, 116-candle-power lights. (See "Farm Machinery.")

Elevators.—Hollingsworth Wheel Co., First National Bank Bidg., Hagerstown, Md., wants orices on elevators

Elevator.-W. A. Liller, Keyser, W. V ants prices on freight elevator

Enamelware Machinery. — H. E. Bumby, hird Ave. and 21st St., Bessemer, Ala. wants to correspond with manufacturers of nachinery to make kitchen enamelware.

"Sawmill." Engine. - See

Engine.-John G. Duncan Company, 308 West Jackson Ave., Knoxville, Tenn., wants 25 to 35-horse-power second-hand gasoline enzine: immediate shipment; dealers' price

Engine.—Coast Fishing Corporation, Reed-ville, Va., wants prices on two 60-horse-power, three 20-horse-power and five 35-horse-power ver and five 35-ho

Engines .- Mt. Gilead Cotton Oil Co., Mt.

Engines.—Walter M. Lee, secretary Citi-ens' Committee, Gordon, Ga., wants prices

Expansion Tubes.—Geo. M. Brinson, Brin on Railway, Springfield, Ga., wants expan-ion tubes; such as used in steam gauges.

Farm Machinery.—Geo. E. Murphy, 1724 Candler Bidg., Atlanta, Ga., wants gasoline engine, 25 to 35 horse-power; generator, 116andle-power lights; machine for cutting feed, such as corn, oats and alfalfa: machine feed, such as corn, oats and alfalfa; machine for cutting hay, cornstalks, etc.; wood-saw-ing machine; pump, belt driven, to force water to tank on nearby hill (guaranteed rotary pump will answer); 5000-gallon steel tank with 80-foot steel tower; all machines to be stationary and located in one building. Give prices f. o. b. Atlanta.

Feed-cutting Machinery. - See "Farm Ma

Float Designers,-H. W. Simp Newbern, N. C., wants to correspond designers of floats; wants floats for

Furniture.—Trustees Lamar County Agri-ultural High School, T. W. Davis, presi-ent, Purvis, Miss., wants prices on furniture for dormitory rooms.

Furniture.—Glade Spring Lodge, No. 23 A. F. & A. M., Glade Spring, Va., wan-lodge furniture. Address G. R. Coverston.

Gasoline Engine.—Geo. E. Murphy, Candler Bidg., Atlanta, Ga., wants 25 to orse-power gasoline engine. (See Machinery.")

Glass .- W. H. Murray, Georgetown, 8 will buy art glass for \$10,000 church building Grading.-Board of Affairs, Bluefield,

will open bids July 1 for grading of Princeton Ave. from east end overhead pridge at end of present macadam paving to corporate limits of city; profile prepared by City Engineer and on file in his office; J. T. Akers, Auditor

Grading. - E. R. Lee, City Clerk, E. Okla., will open bids July 7 for grading Illi-Ave from Washington to Jefferson St.: certified check. \$50.

Grinder,-T. C. Andrews & Co., foot of ampbell's Wharf, Norfolk, Va., want prices campoen's whati, 5000 k, va., want pro-on small grinder, 5 or 10 horse-power; spe ally interested in grinder with disc-carryi lugs and revolving with these lugs close other stationary lugs.

Handles.-J. S. Scho Macon, Ga., wants addresses of manufacturers of hickory sledge and hammer handles

Heating Plant .- S. N. Daws, Johnson City, enn. wants bids on heating plant.

Heating Plant.—Bids will be received ffice Board of Education until July 5 beating with hot water or steam Franklin school building on South 6th St., Paducah, Ky.; bids on both hot water and steam to be submitted by each bidder; W. M. Karnes, hairman building committee.

Heating Plant .- L. F. Goodrich, 122 8th St. Augusta, Ga., wants prices on heating plant. Heating Plant.-John H. Ingram, rille. Ala., wants prices on hot-air or hot water heating plant for \$15,000 school

Heating Plant .- W. S. Mowry, Bent wants information on heating lant for \$14,000 school.

Heating Plant.— Oglethorpe Sanitarius 905 Duffy St. East, Savannah, Ga., wan prices on hot-water heating plant. Ga., wants

Heating Plant.-Hollingsworth Wheel nal Bank Bldg., Hagerstown, Md., ants prices on steam-heating plant.

Heating Plant. - Methodist Episcopal Church South, Dr. H. S. McCrary, chairman building committee, Royston, Ga., wants prices on heating plant for \$8000 edifice.

. Heating Plant. — Seag-Bagley Company. Blackstone, Va., is interested in steam, hot-water or hot-air heating plant for 33x140-foot store building; is also interested in heating plant for church 44x66 feet, with 22-foot pitch nd 10-foot pitch to basen

Hoisting Engine. - Rebuilt Machinery Wrecking Co., Louisville, Ky., wants pric on hoisting engine, second-hand, double-cyli der drum, 8 to 10 horse-power (Lidgerwoo preferred); state condition, location as price.

Hydraulic Press.-See "Vinegar Plant." Lathe.-Tennessee Bobbin & Spool Co.,

Elizabethton, Tenn., wants new or second. hand lathe (Waymoth preferred). Lathe. - John G. Duncan Company, 308 West Jackson Ave., Knoxville, Tenn., wants dealers' prices on 20-inch swing 7 to 714-for

Lath Mill.-Manufacturer, Drawer D, Rocky Mount, Va., wants lath-mill machin

bed back-geared screw-cutting s

Lighting Plant. - Methodist Episcopal Church South, Dr. H. S. McCrary, chairman ouilding committee, R prices on lighting plant Royston, Ga.,

Locomotives -See "Rails Cars Constru

Lumber.-Mound City Floor & Art Co., 1834 ocust St., St. Louis, Mo., wants prices on 000,000 feet oak lumber, 2½ and 3-inch No. 1 ommon plain sawed planks.

Merry-go-rounds.—Sperry & Lukins ia, New Mexico, want addresses of sia, New Mexico, want addresses of manufacturers of steam-propelled merry-go-rounds.

Miscellaneous Supplies.—Bids will be re-eived at office of General Purchasing offi-er, Isthmian Canal Commission, Washington, D. C., until July 11 for furnishing pack ing, friction-clutch pulley, steel cable, steel, iron, copper tubing, etc. Blanks and general information relating to circular No. 592 may be obtained at above office or office of assist ant purchasing agents, 24 State St., New York; 55 National Realty Bidg., New Or-leans, 1086 North Point St., San Francisco, eans, 1986 North Point St., San Francisco, Cal.; also from U. S. Engineer office in fol-lowing cities: Seattle, Wash.; Los Angeles, Cal.: Baltimore, Philadelphia, Pittsburg, Buffalo, Cleveland, Cincinnati, St. Paul, Detroit, Milwaukee, Chicago, St. Louis, Chattanooga, Louisville, Mobile and Galves-ton; Commercial Club, Kansas City; Chamber of Commerce, Quincy, III., and Chamber of Commerce and Board of Trade, Tacoma, Wash.; F. C. Boggs, Captain, Corps of Engi-neers, U. S. A., General Purchasing Officer.

Paint Machinery and Supplies.—Box 146, Wilmington, N. C., wants lists and prices on paint mixers, cans, labels for barrels, stenells and various supplies for paint manufac turing.

-Bids will be received by Board of Public Affairs, Little Rock, Ark., until July 11 for resurfacing intersections of all streets crossing Center St. between 12th and 18th Sts. included in Street Improvement District No. 113 with sheet asphalt, according to plans and specifications on file in office of superintendent of Public Works; bids to be addressed to F. M. Oliver, clerk of board.

Paving.—Street Commission, John L. King, chairman, Greensboro, N. C., will open bids July 5 for constructing 2500 to 3000 square yards cement sidewalks in accordance with specifications; certified check, \$50. For further information address Street Commission

Paving.-Proposals addressed to Mayor and eneral Council, Atlanta, Ga., will ceived at City Clerk's office until July 18 for paving following streets: Marietta St., from Tabernacle Pl. to North Ave., 17,000 square yards, with creosoted blocks; Forsyth St., from Marietta to Luckie St., 3300 square yards, with creosoted blocks; DeKalb Ave., from Moreland to Mayson's Ave., 12,000 square yards, with macadam with asphalt binder; specifications furnished upon applisquare yards, with macadam with asphalt binder; specifications furnished upon appli-cation to City Engineer; certified check for \$500 to accompany each bid; R. M. Clayton, City Engineer.

Sto Ele

leg mil Ma line to fee tow 5.20

Cor of at

tion

hou Roa

Ro

ing

60x16

Tex.

chur

safe.

Paving.-Board of Aldermen, Murphy, N will open bids July 15 for construction of concrete sidewalks. For specifications address Thad. D. Smith, engineer, Murphy; Willard M. Axiey, secretary-treasurer.

Paving. — E. L. Worsham, Town Clerk, Bixby, Okla., will open bids about July 2 on concrete crossings and sidewalks; plans and specifications on file in office of Town Clerk.

Paving.-Bids will be received at office City Secretary, Longview, Tex., until July for following street work: Bitulithic brick or filbertine paving, 14,600 square yards; con-crete curb, 4900 feet; earth excavation, 2000 cubic yards; macadam road, 18 feet wide, 3000 feet: macadam paving, 9850 ards. Plans and specifications on file in fice of City Secretary. vards

Paving.-Bids are invited on several the sand cubic yards earth and rock excavation and several thousand square yards macadam pavements, concrete curbs and gutters and cement sidewalks. For blueprints and parcement sidewalks. For blueprints and par-ticulars address John W. Stewart or N. T. Frame, care of American Horticultural Disouting Co., Martinsburg, W. Va.

Paving.—H. A. McSpadden, Town Clerk, Fort Payne, Ala., will open bids July 1 for constructing cement sidewalks; plans and specifications on file in office of Town Clerk.

Piping.-See "Pump, etc." Piping.-Coast Fishing Corporation, Reed-

Piping.—City of Loreauville, La., will receive bids on 2500 feet iron pipe; C. F. Berard, Mayor.

Berard, Mayor.

Plumbing.—W. A. Liller, Keyser, W. Va., wants prices on plumbing.

Pulp Machinery.—Walter M. Lee, secretary Citizens' Committee, Gordon, Ga., wants prices on pulp machinery; for gum wood.

Pumps.-Walter M. Lee, secretary Citizens' committee, Gordon, Ga., wants prices on

Power Plant.-Northwestern Brick Co., O.

A. Kentner, president, Wichita Falls, Tex., will open bids July 5 on power plant for brick plant.

Pump.-Geo. E. Murphy, 1724 Candler Bldg.

Atlanta, Ga., wants belt-driven pump. (See "Farm Machinery.")

"Farm Machinery.")
Pump, etc.—Centrifugal Pump and Wooden
Pipe Line, T. N. Picnot, Box 468, San Antonio, Tex., will entertain proposals for instaliation of centrifugal pump, capacity 1800
cubic feet per minue, and three miles wooden

Pumps.—Coast Fishing Corporation, Reed-ville, Va., wants prices on several pumps of

Pumps.-R. O. Apple, Winston-Salem, N. C.,

wants pumps.

Rail Bolts, etc.—H. M. Wade Manufacturing Co.; Charlotte, N. C., wants to correspond with manufacturers of rail bolts and rail screws, various sizes.

rail screws, various sizes.

Rails, Cars, Construction, etc.—Pennsylvania Equipment Co., West End Trust Bldg., Broad and South Penn Sq., Philadelphia, Pa., wants prices on standard-gauge railway construction material, rolling stock and equipment; 12,000 tons relaying steel rails, 60 to 75 pounds, with fastenings, frogs and switches to correspond; passenger, switching and freight locomotives; passenger, box, stock, water and flat cars; track, platform and depot scales, water tanks, etc.; for export; state lowest prices f. o. b. New York; send specifications, cuts and photographs, stating time of delivery.

Road Construction.—Highways Commission of Baltimore County, Towson, Md., will open bids July 14 for improving Hillsdale Rd. from Liberty Rd. to Forest Ave., First district of Baltimore county; certified check, \$200; plans and specifications on file in office of Highways Commission; Henry G. Shirley, roads engineer.

engineer.

Road Improvements.—State Roads Commission, John M. Tucker, chairman, Union Trust Bidg., Baltimore, will receive bids until July 6 for construction of 19 33-100 miles in following counties: Allegany—On National Pike, between Standard Oil warehouse and Pennsylvania Railroad crossing, distance of .53 miles, and on National Pike, between Six-Mile House and Allegany Grove, 1.62 miles, stone macadam; Carroll—On road between Eldersburg and Gamber, 5 miles, stone macadam; Garrett—On National Pike, from Allegany county line towards Piney Grove, 2.38 miles, stone macadam; Prince George's—On

legany county line towards Piney Grove, 2.38 miles, stone macadam; Prince George's—On Mariboro Pike, from District of Columbia line 5.20 miles to Meadows, including repairs to existing stone macadam road of about 6900 feet; St. Mary's—On Mechanicsville-Leonardtown Rd., from Hellen towards Leonardtown, 5.20 miles, grading, bridging and draining only. Bids to be made upon blank form contained in book of specifications furnished by Commission upon application and payment of \$2 for each section; blueprints furnished at rate of 25 cents for each half-mile section; bids to be accompanied by certified check for \$500.

Road Machinery and Material.—Alabama Good Roads Association, Box 886, Birming-ham, Ala., wants addresses of manufacturers of and dealers in road machinery and road materials. Send catalogues and circulars.

Road Rollers.—Jas. T. Gardiner, Court-house, Augusta, Ga. (clerk Commissioners of Roads and Revenues, Richmond county), wants addresses of manufacturers of large-sized gasoline road rollers and of 1½-ton

Roofing. — Methodist Episcopal Church South, Dr. H. S. McCrary, chairman build-ing committee, Royston, Ga., wants prices on roofing material for \$8000 church.

Roofing.—Ellington Building Supply Co., Raleigh, N. C., wants galvanized roofing for 6x160-foot machine shop. Rolling Partitions.—John H. Seale, Jasper, Tex., wants prices on movable partitions for church building.

road rollers drawn by horse-power.

stating time of delivery.

pipe line.

various sizes.

wants pumps.

ny, 308 wants 7½-foot id-hand

1010

Rocky wants

nstruen No. 1

rounds. be reag Officashing

92 may assist-., New ew Or-ancisco, in fol-angeles, ttsburg, tti, St. Louis, Galves-

s, stenoard of il July streets id 18th ffice s to ard.

King. square e with or furnission or and be refuly 18 tta St., 17,000 Forsyth square b Ave.. 12,000 asphalt

hy. N. tion of ns ad-urphy;

ffice of July 5 , brick s; conon, 2000 t wide, I thou

avation rs and par-N. T.

g pack-, steel, general 92 may

Cham-hamber acoma, f Engi-Officer. ox 146,

District

appli-eck for layton,

ly 2 on ns and Clerk.

Clerk

Safe, etc.—Bank of Flatwoods, S. T. Sharp, president, Flatwoods, Tenn., wants prices on safe, vault and other fixtures. , Reed-

check for \$500.

ville. Va., wants prices on carload pipe of wants prices on safe, vault and other bank

Safe, etc.—Bank of Loreauville, C. F. Berard, vice-president, Loreauville, La., will receive bids on safe, vault door, etc.

Sash Balances.—Burke Bristow, Saluda Va., wants addresses of manufacturers of sash balances similar to Puliman balances.

Sawmill.—J. B. Smith, Louisburg, N. C., R. F. D. No. 2, wants 20-horse-power engine and boiler and sawmill to match; standard.

Scales.-See "Vinegar Plant." Scales.—Mt. Gilead Cotton Oil Co., Mt. Gilead, N. C., wants prices on scales.
Seating.—See "Church Furnishings."

Sewer Construction. — Commissioners of Improvement District No. 8 (J. C. King, Walter O'Neal and J. D. Conway), Texarkana, Ark., will open bids July 5 for construction of sewer system.

Sewer Construction. - See "Culvert Con

Stoves.—Nicholas & Lemiey, Harrisonburg. Va., wants to correspond with manufactur-ers of jacketed stoves for schoolhouses and halls.

halls.

Sewer Construction.—Proposals for construction of Oak St. sewer, section "B," contract No. 71 of comprehensive system of sewerage, will be received at office of Commissioners of Sewerage, P. L. Atherton, chairman, 605 Equitable Bldg., Louisville, Ky., until July 8; work will consist of construction of about 1970 feet of 42 and 54 inch concrete sewer, including 330 cubic yards of concrete and 617 feet of 2-inch vitrified pipe; excavation 9 to 23 feet deep; plans and specifications may be seen at office of commissioners and of Harrison P. Eddy, consulting engineer, 14 Beacon St., Boston, Mass.; each bid to be accompanied by certified check for 7 per cent. of bid or "bidder's bond," as described in form of proposal.

Sewer Construction.—Proposals will be re-

scribed in form of proposal.

Sewer Construction.—Proposals will be received by Board of Commissioners, Galveston, Tex., at office of City Secretary, until July 7 for constructing 38-inch vitrified pipe drain along 8th 8t., from Avenue B to outlet in Galveston Bay, 450 feet north of initial point, together with laterals and appurtenances thereto, as shown on plans; proposals to be submitted in duplicate, and accompanied by certified check for 5 per cent.; plans and specifications furnished upon application to office of City Engineer; V. E. Austin, Commissioner of Streets and Public Property; A. T. Dickey, City Engineer; John D. Kelley, City Secretary. Kelley, City Secretary,

Kelley, City Secretary.

Sewer Construction.—Belton Sanitary Sewer Co., Charles B. Smith, secretary, Belton, Tex., will open bids July 5 (postponed from June 14) for construction of sanitary sewer system and sewage purification plant; system will include 4017 feet of 12-inch, 718 feet of 10-inch, 18,680 feet of 8-inch vitrified pipe sewers, 67 manholes and 10 flush tanks; sewage purification plant includes 3556 cubic yards earth excavation, 366 cubic yards rock excavation, 118 cubic yards reinforced concrete, 80 cubic yards plain concrete, 500 cubic yards broken stone, pipping and accessories; bid to be on blank forms furnished by company and accompanied by certified check for \$1000; contract and specifications may be obtained from secretary, and plans and profiles may be seen at his office and office of Fountain & Shaw Engineering Co., Andrews Bidg., Dallas, Tex.; complete plans and specifications may be obtained from engineering company upon retained from engineering company upon re-quest, accompanied by \$3.25.

quest, accompanied by \$3.25.

Sewer Construction.—Mayor and Board of Aldermen, Union City, Tenn., will receive bids at Mayor's office until July 27 for furnishing material and constructing system of sanitary sewers in accordance with plans and specifications on file at office of J. A. Coble, Mayor; certified check, \$1000; bond required, \$7500; for specifications, form of proposal, etc., address C. H. Jenks, engineer, Fayette, Miss., or J. W. Woosley, Recorder, Union City. Union City.

Sewers.-See "Water-Works, etc."

Sheet Metal.—F. J. W. Hart, care Cecil L. Saunders, M.E., Hot Springs, Ark., wants addresses of firms making specialty of perforated sheet metal.

Shingles.—W. H. Murray, Georgetown, S. C., will buy shingles.
Smokestack.—See "Boiler, etc."
Steel Blades.—Z. J. Carter & Son, Wallace, N. C., wants addresses of manufacturers of steel knives or blades for stalk cutters.

Surgical Equipment, etc.—Oglethorpe Sani-tarium, 905 Duffy St. East, Savannah, Ga., wants prices on equipment for operating-room

resident, Flatwoods, Tenn., wants prices on and hydrotherapy.

Tank and Tower.—Geo. E. Murphy, 1724

Safe, etc.—E. Means, Charleston, Ark.,

Candler Bidg., Atlanta, Ga., wants 5000-gal-

lon steel tank with 80-foot tower. (See "Farm Machinery.")
Tiling. — W. E. Temple, Florence, Ala., wants to correspond with manufacturers of

Tin Boxes.—A. D. Reynolds, 706½ State St., Bristol, Tenn., wants 100,000 one-pound boxes, 3x5½, tin top and bottom.

Telephone Equipment. — Letcher County Home Telephone Co., W. B. Webb, Colly, Ky., will open bids at once for wire, brack-cts, insulators, telephones, etc.

Tower Tank. — City of Loreauville, La., will receive bids on tower tank, 5000 gallons capacity, with 75-foot foundation; C. F. Berard, Mayor.

Transmission Machinery.—Coast Fishing Corporation, Reedville, Va., wants prices on transmission machinery.

Trucks.—Hollingsworth Wheel Co., First National Bank Bldg., Hagerstown, Md., wants prices on factory trucks.

Vault Door.—L. L. Little, chairman build-ing committee, Bank of Anson, Ansonville, N. C., wants prices on small vault door.

Vault Door.—See "Safe, etc."

Vinegar Plant.—L. Jackson, agent, Lew,
Va., wants complete vinegar plant, including
hydraulic press, generators, tanks, barrels
and pair of wagon scales.

Ventilating Equipment.—W. S. Mowry, Bennettsville, S. C., wants information on ventilating equipment for \$14,000 school.

Water System.—S. N. Haws, Johnson City, Tenn., wants bids on water system for dwell-

ing.
Water-works. — Water Commissioners and Bond Commission, W. Z. Smith, general manager, Atlanta, Ga., will open bids July 19 for construction of two coagulating basins, one intake tower and one overflow tower at pumping station No. 2, Atlanta Water-works, on Southern Belt Railroad; concrete construction; plans and specifications can be obtained by applying Atlanta Water-works office. City Hall. office, City Hall.

Water-works.—City of Oxford, Miss., will receive bids until July 15 for drilling wells and installing machinery to equip two systems for conveying water from wells into tank 3000 feet from and 170 feet above ground

at plant; capacity of plant to be increased to 50,000 gallons daily; machinery, water supply and cost of fuel per 1000 gallons to be guaranteed for one year; each bidder to submit specifications; certified check for \$500; rights reserved; contractor to take present plant, consisting of 40,000 gallon masonry reservoir, 65,000-gallon steel tank 170 feet high, two 150-horse-power Babcock & Wilcox boilers, 500-cubic-foot Ingersoil & Rand Imperial air compressor, 500,000-gallon Worthington duplex compound steam pump, 250,000-gallon Worthington centrifugal motor-driven pump, 100-kilowatt General Electric turbine generator, and 350-foot six-inch well, new supplying 125,000 gallons per day; W. L. Smith, deputy City Clerk.

Water-works, etc.—City of Sylvania, Ga.,

Water-works, etc.—City of Sylvania, Ga., will receive bids August 1 for construction of water-works, electric-light plant and sewer-age. A. B. Lovett, Mayor.

Windmills.--L. C. Almond, Hooker, Okla., vants addresses of windmill manufacturers.

Wire Fencing.—T. W. Newborn & Co., Kinston, N. C., want addresses of manufacturers of wire farm fencing.

Wood Pipe.—See "Pump, etc." Wood Saw.—See "Farm Machinery.")

Woodworking Machinery.—Cypress Lumber Co., Apalachicola, Fla., wants double sur-facer.

Wooden-bucket Machinery.—A. Wyckoff & Son Company, C. C. Crew, manager, Alexandria, La., is interested in machinery for manufacturing wooden buckets, especially bucket-stave machines.

Woodworking Machinery.—Jones Cold Store Door Co., Hagerstown, Md., is receiving bids on woodworking machinery.

Woodworking Machinery.-See "Cooperage

Woodworking Machinery.—Ficklin Spoke & Handle Co., Ficklin, Ga., wants following, new or second-hand: 36-inch or 42-inch spoke and handle lathe (Defiance preferred); Ober No. 10 lathe; Ober sander; two chucking lathes; circular rip saw; 36-inch or 42-inch and saw

Woodworking Machinery.—High Point Casket Co., High Point, N. C., wants second-hand 30-inch double surfacer.

INDUSTRIAL NEWS OF INTEREST

Completes New Well.

Among important well-drilling contracts which have been executed by the Hughes Specialty Well Drilling Co. of Charleston, S. C., a recent one was for the Southern Mahogany Co. of the same city. This well is six inches, with a depth of 454 feet.

Electric and Steam Machinery

Prospective purchasers of second-hand electric and steam machinery are invited to correspond with Arthur S. Partridge, New Bank of Commerce Bidg., St. Louis. Mr. Partridge sells equipment of this character and offers a large list of machinery for various kinds of service.

Establishes Retail Yard.

The Southwestern Material & Supply Co., 534 Bassett Bidg., Oklahoma City, Okla., announces that in connection with its wholesule office it has established a retail yard at 2d St., Western Ave. and Rock Island tracks. This company distributes building material of various kinds, lime, brick, etc.

Establishes Southern Offices.

The C. W. Hunt Company, West New Brighton, N. Y., builders of coal-handling, conveying and holsting machinery, has established offices in the State Bank Bidg., Richmond, Va., and at 607 Rhodes Bidg., Atlanta, Ga. F. W. Lee, for several years preliminary engineer for the company, will have supervisite of the offices. supervision of the off

Wants Industrial Location.

Correspondence is invited by a company which desires a location for foundry, machine shop and manufacturing plant in a good town where an enterprise of this character is needed, preferably in North Carolina, Tennessee, Kentucky or Virginia. Address No. 646, care of Manufacturers' Record, Faltimore, Md. Baltimore, Md.

The Bacarisse Roofing Co.

The Hacarisse Roofing Co.

The Bacarisse Roofing Co. has organized at New Orleans with \$5000 capital stock for the purpose of supplying galvanized, composition, prepared, built-up and other roofing. The company will cover the New Orleans territory extending between Florida and El Paso. Albert L. Bacarisse, who has had many years' experience in this territory

handling metal, built-up and prepared roof-lugs, etc., is the president of the company, and James C. Comerford is secretary-treas-

Establishes Engineering Offices.

August J. Tete, B.E., has established offices at No. 215 Godehaux Bidgs., New Orleans, as manufacturers' agent for machinery of all kinds, iron, steel and general supplies. Mr. Tete is an electrical and mechanical engineer of long experience in this territory, and will undertake expert solution of complex engineering problems, making complete plans a specialty. a specialty.

Makes New Connections.

Makes New Connections.

Announcement is made that J. B. McClary, formerly general manager of the Sheffield Company at Sheffield, Ala., has been elected vice-president and general manager of the Yolande Coal & Coke Co. and the New Connellsville Coal & Coke Co., and president of the Abernant Coal Co. His offices are located in the Brown-Marx Bidg., Birmingham Ala. ham. Ala

Establishes Another Southern Office.

Establishes Another Southern Office. For the purpose of handling its Texas and Oklahoma trade the A. Wyckoff & Son Company, main offices, Elmira, N. Y., has established a sales office at 911 Praetorian Bidg., Dallas, Tex. This company manufactures steel-banded wood water pipe for waterworks, irrigation, drainage, power development, sewers, factories, mines, oil and other uses, and has a Southern plant and office at Alexandria, La. Alexandria, La.

Crocker-Wheeler Company's Officers.

Crocker-Wheeler Company's Officers.
At a recent meeting of the Crocker-Wheeler
Company, main offices at Ampere, N. J., the
following officers were elected for the ensuing year: Schuyler Skaats Wheeler, president; Gano Dunn, first vice-president and
chief engineer; Arthur L. Doremus, third
vice-president; Rodman Gilder, secretary,
and W. L. Brownell, treasurer. This company acts as engineer and manufactures electrical equipment for various kinds of service.

Installation of Northern Cranes.

As an indication that Northern cranes are giving satisfactory service to their users, the manufacturer of this equipment is re-

ceiving numerous contracts for their installation. Among recent installations three type "E" electric traveling cranes semer Gas Engine Co., Grove City, Pa. Two of these were of five-ton capacity, while the other was of 25 tons capacity, four-motor, 60-foot design. Northern cranes are manufactured by the Northern Engineer-law Works, Detroit, Mich. ing Works, Detroit, Mich.

Awards Several Contracts.

The Gray Construction Co., Victoria Bidg. St. Louis, which is erecting the Tremon Hotel at Quincy, Ill., has awarded the plumbing contract to the O'Neill Plumbing Co. of Quincy, and contract for the heating plant to the E. Best Plumbing & Steam Heating Co. of Quincy. Contracts for wiring have been awarded to Broderick & Co. East St. Louis, Ill., and for reinforcing stee to the Midland Erection Co., St. Louis. hotel is a six-story structure, 40x180 feet. The

To Sell Mineral and Timber Lands.

An opportunity to purchase on easy 12,000 acres of mineral and timbe about 12,000 acres of mineral and timber lands in the northern part of Yancey county. North Carolina, is presented in an announcement offering the property. These lands are located near Huntdale and Popiar, on the C., C. & O. R. R., and will be sold at Burnsville, N. C., on July 19. Information concerning the sale and property will be supplied by W. T. Weaver and William Johnston, Jr., Asheville, N. C.

Appoints Advertising Manager.

Following the death of Mr. Wallace of the advertising department of the Berger Manufacturing Co., Canton, O., changes have been effected in the personnel of the staff. G. P. n of Pittsburg, Pa., has been ap devertising manager to succeed Mr abrace the manufacture of sheet etivities er metal products of various kinds, from the sheet to the finished article, and as Mr. Blackiston has an extensive knowledge of etallurgy, he is doubtless well qualified fo ew duties, which he assumed on June 1

Will Sell Lumber Plant.

Attention is directed to an announcement offering for sale on July 28, at the Real Estate Exchange, 311 Baronne St., New Orleans, La., the plant of the L'Hote Lumber Manufacturing Co., comprising three and one-half squares of ground, buildings, machinery, raw and manufactured material, vehicles, live stock, etc. This plant is located on the Carondelet Navigation Canal, near the center of the city and accessible to near the center of the city and accessible to railroads. It is in operation and will be sold as a whole. Details will be supplied by G. J. Stevens, manager for the receivers, 204 Corn Bldg., New Orleans, or Kernaghan, Cordill & Parkinson, W. A. Kernaghan, auctioneer, 339 Carondelet St., New Orleans.

Orders for Nernst Lamps.

Recent orders for Nernst lamps include four from Marshall Field & Co., Chicago, aggregating 888 glower units, and of mul-tiple glower type, using specially finished housings. In December, 1907, Marshall Field & Co. installed their first Nernst lamps, aggregating 12,000 glower units, and since then have frequently ordered these lamps to re-place others. Another order was received from the Banks Business College of Philadelphia for the installation of Westingh delphia for the installation of westinghouse-Nernst lamps to illuminate its new school-rooms and offices. It is stated that single-glower lamps, multiple-glower lamps and chandeliers will be used. The Nernst lamps are manufactured by the Nernst Lamp Co., Pittsburg, Pa

Wants Active Southern Agents.

For the purpose of introducing more widely and pushing the sale of its products, a cor any manufacturing succe sful waterproof ing compounds desires active Southern and Southwestern agents. Among these products is a liquid silicate, to be mixed with mixing and thereby become a part of concrete, which is claimed to add strength to the con crete, besides making it water, frost and acid proof. Another product is a transparent liquid waterproofing which is intended to be applied to the surface of stone, brick, con rete or stucco work, and is guaranteed to produce satisfactory waterproofing, at the same time preventing discoloration. Parties interested may address "Waterproofing," care Manufacturers' Record, 52 Broadway,

An Extensive Advertising Campaign.

Realizing the advantages to be gained by a widespread publicity presenting the dis-tinctive merits of the electric vehicle, the

Electric Storage Battery Co., Allegheny Ave. and 19th St., Philadelphia, has secured the co-operation of central-station companies throughout the country, together with electric-vehicle manufacturers, for the purpo nducting an extensive combination vertising campaign, utilizing pages and dou-ble pages in leading monthly and weekly magazines and periodicals. Central stations realize what the electric vehicle means to them in the sale of current, while electric weblice manufacturers also realize the advan-tages of exploiting the merits of their prod-uct as a practical and economical city and suburban car for commercial and other pur poses. It is thought the success of the cam paign is assured by the energetic and prac-tical methods employed to secure the union of the three interests involved.

mportant Concrete Construction.

Prominent among Southwestern engineers and contractors for reinforced concrete structures is the William P. Carmichael Company, Fullerton Bldg., St. Louis. This com pany has recently been awarded important among these is on the Kingshighway construction of the Kingshighway Viaduct, St. Louis. The structure will be entirely of reinforced concrete, 90 feet wide and 1850 feet It will consist of one arch 170 feet. long. long. It will consist or one arch 170 feet, two arches of 140 feet, 12 arches of 25 feet, the remainder of the structure to be of reinforced concrete retaining walls. It will cross Mill Creek Valley, the main arches being over seven railroad tracks, and the n the past three months the Carmi-company has completed a large reinforced concrete arch bridge over the Colo rado River at Austin, Tex., and a concrete five-story Y. M. C. A. building in Mexico

York Manufacturing Co.'s Sales.

Recent sales of ice-making and refrigera-ting machinery by the York Manufacturing York, Pa., include the following Brown, Goshen, N. Y.; 6-ton refrigerating plant to Grant Hugh Brown, Goshen, N. Y.; 6-ton refrigerating plant to Carothers Certified Dairy Co., Washington, Pa.; 40-ton high-side and 40-ton double-pipe brine cooler to J. M. Denholm Bros. one-pipe of the cooler to J. M. Dennoim Bros. & Co., Pittsburg, Pa.; 1-ton refrigerating plant to Union Iron Works, Oakland, Cal., for Lincoln (Cal.) Hardware Co.; 2-ton plant to same company for Fred Gunther, Bukerfield, Cal.; 20-ton refrigerating plant bakerned, Cal.; 20-ton refrigerating plant to Lewis Bros., Newark, N. J.; 6-ton refrigerating plant to Charles F. Rantz, New Orleans, for Fueret & Kramer, Ltd., New Orleans; 3-ton refrigerating plant to Armour Institute of Technology, Chicago; 6-ton refrigerating plant for Bedell & Moore Bidg., Sep. Antolog. Text. tray 20-ton refrigerating San Antonio, Tex.: two 20-ton refrigerating machines and equipment for Delaware Hotel, Fort Worth, Tex., to C. C. Hartwell Com-pany, Ltd., New Orleans; 4-ton refrigerating plant to same company for Scarborough Bldg., Austin, Tex.; 35-ton refrigerating and ice-making plant to U. S. Naval Training School, North Chicago, Ill.; 10-ton ice-mak-ing plant to Walker Bros. & Dunlap, Luling, Tex.; 4-ton refrigerating plant to Hanmer Bros., Keysville, Fla.; 1-ton refrigerating plant to Empire Scale & Fixture Co., Jack for J. T. Reaves, Stark, Fla and 8-ton refrigerating plant to Ke pany, Ltd., Montreal, Can., for J. W.

The Vacuum Cleaning Process

vacuum cleaning process, by which old method of sweeping is done away with, has made such great progress in th last year or two that scarcely anyone cal found not familiar with the system, there are millions of people who, with sual slowness to adopt new things, have yet supplanted the old broo m and duste with the vacuum cleaner. As compared with the broom and the duster, the vacuum clean-ing method is as much in advance as the electric light is to the candle or lamp for house illumination. The field for the exten-sion of the vacuum cleaning system is as limitless as is human progress. Wherever limitless as is human progress. Wherever there is a home of fair comfort there is a possible market for the vacuum cleaner. With a view to broadening the demand by an active campaign through the retail houses of the country, the Keller Manufacturing Co. of Philadelphia, maker of the Keller Vacuum Cleaner, has undertaken a Santo special campaign in which it has devised what is claimed to be the mos sive effort for the local dealer sive effort for the local dealer ever under taken. The company terms it "the three way selling plan of Keller-Santo vacuun Referring to the fact of having cleaners." carried on a broad campaign of advertising through magazines and weekly publications, and in this way having made the public ac-quainted with the desirability of this system and of its particular make of vacuum cleaners, the company says that it is now undertaking to get in touch with all reputable retail dealers for the distribution of its products. The plan which the company has devised is one which, in its judgment, will appeal to retailers everywhere, the details of which will be furnished to anyone interested in studying vacuum cleaners and interested in studying vacuum cleaners and their desirability, and the opportunity enlarging business operations by handl this Keller-Santo vacuum cleaner.

TRADE LITERATURE.

Mazda" Street Series Lamps.

Bulletin No. 11, superseding bulletin No. G, has been issued by the engineering de partment of the National Electric Lamp As ociation, 4411 Hough Ave., Cleveland, O. This publication illustrates and describes 'Mazda'' street series lamps, with reference their performance, economy and other features

Toncan Metal Literature

folder illustrating, describing and a ancing reasons for the use of toncan m is being distributed by the Stark Manufac turing Co., Canton, O. The Stark company factures this product and claims that il resist rust and corrosion to such a de-that products made from it outlast nany times similar products manufactured from modern steel or iron sheets.

The Edison Aggregate.

Issued in the interest of the Edison Port-land Cement Co., New Village, N. J., is the Edison Aggregate, a publication which is now being distributed for May. This magazine presents, with timely information, inzine presents, with timely information, in-teresting views of residences, garages and other structures in which Edison Portland cement was used. Copies may be secured by addressing the advertising department of the company at 920 St. James Bldg., New York.

Ice and Refrigerating Machinery.

A sectional catalogue of ice-making and refrigerating machinery, presenting compre descriptive data with Illustrations, has been issued by the York Manufacturing Co. of York, Pa. This pubng Co. of York, Pa. This ains a number of bulletins. ation contains a number of bulletins, which is devoted to a list of users of York equipment, while the others relate to the several products of the company, includ e-making and refrigerating name attings, supplies, etc.

Class "OC" Air Compressors

A bulletin (form No. 3023) illustrating and describing class "OC" duplex Corliss steam-driven air compressors has been issued by the Ingersoll-Rand Company, 11 Broadway, New York. This company manufactures this and other types of air compressors, coal-mining and other equip ng and other equipment, which have been ridely introduced. In its description of the nachine referred to the bulletin makes refrence to its general type, simplicity, auto matic features, acce ibility. cleanlines adaptability. of installatio characteristics and other

The Master Builder.

Presenting an illustrated outline of the ork of the Texas Commercial Secretaries' ssociation is a booklet entitled "The Mas-er Builder," which has recently been pub-shed. This association claims to be but ished. the servant of the business men of Texas and the publication referred to has been prepared for public information and to present to the constituents of the association an accurate view of its activities. Officers of the association are J. A. Arnold, Fort Worth, president; W. M. Woodall, Temple, retary-treasurer, and Homer D. V

Dick's Balata Belts.

s original patent balata belts have een in use for more than 25 years, during which time they have been tested under the most stringent operating conditions, and are claimed to be unrivalled for their perfect combination qualities required in driving and conveying belts of the highest efficiency. Their qualities of strength, durability and perfect uniformity are said to be due to the tightness of the weave in the duck and to the great elastic strength of the balata solu-These belts are known as the belt" and are manufactured by R. & J. Dick, Ltd., 50 Church St., New York, with plant at Passaic, N. J. They are illustrated and de-scribed in a pamphlet which the company is A Manual of Practical Farming. By John McLennan, Superintendent of Farms of the New York State School of Agriculture. Publisher, the Macmillan Company, New York. Price \$1.50 net.

Genius of itself does not count much in ractical farming, by genius being me ability to win success of one's own self without apparent effort. As in most other ccupations, so in agriculture, genius is largely a matter of intelligent and persistent application to the task at hand It cannot afford, though, to neglect any ossible aid. One of the aids is books, When soil was virgin, when land was cheap and when pure science concerned itself little with agriculture, men succeeded at farming without using any book, save the great book of nature. But they did not succeed without science, the science which makes record of mistakes or of s, and passes it on by word of mouth or by example. With the gradual limitation of virgin acres, and with the increase in the price of land, it has beome necessary to place farming upon a more businesslike, a more scientific basis if one wishes to make a success as a farm-Machinery constantly being perfected speeded improved methods in handling the soil and in garnering crops. At the same time, the experience of many farmers and the results of their operations have been gathered into books now forming a vast library of the science of agriculture, and it has come about that the farmer wishing to progress finds it convenient to have at least one shelf with some of those books on it for careful study when out-ofdoors work is impossible or not called for. One of the books is that of Mr. Mc-Lennan. It is scientific because it is the sum of practical experience. It does not attempt, by any means, to cover the science of agriculture, which, indeed, touches many sciences and is as broad as the world. It leaves to the experimenter and investigator all theories, but, confined to things with which the author himself has dealt, it cannot fail to be of value to other workers dealing with the soil, drainage, fertilizers, field crops, root crops, animal husbandry, poultry, the orchard and other topics

FINANCIAL NEWS

The MANUFACTURERS' RECORD invites information about Southern financial matters, items of news about new institutions, dividends declared, securities to be issued, open new banks, and general discussions cial subjects bearing upon Southern ings for new

Review of the Baltimore Market. Office MANUFACTURERS' RECORD.

Baltimore, Md., June 29.

The Baltimore stock market has been dull during the past week. In the trading United Railways common sold from 13% to 141/4; do. trust certificates from 137/4 to 14%; do. incomes from 59 to 58%; do. funding 5s from 811/4 to 801/2; do. do. scrip from 811/2 to 801/2; do. 4s, 831/4 to 84; Consolidated Gas, Electric Light & Power common, 60; do. preferred, 88; Seaboard Company common, 23; do. first preferred, 78 to 77½; do. second preferred, 441/2; Seaboard Air Line preferred, 33; Seaboard 4s. stamped, 82% to 83; do. three-year 5s, 991/4 to 991/8; do. 10-year 5s. 991/2; do. adjustment 5s, 741/4; Consolidated Cotton Duck, 6; do. preferred, 211/2 to 21: Mt. Vernon-Woodberry Cotton Duck 5s, 721/2.

Bank of Baltimore sold at 121½; Mechanics' Bank, 27¾; Union Trust, 73; Maryland Casualty, 90% to 90: American Bonding, 79 to 791/4; Fidelity & Deposit, 148; Fidelity Trust, 215; Baltimore Trust. 165 to 166.

Other securities were traded in thus: Atlantic Coast Line Consolidated 4s, 94; 141/4 : Georgia & Alabama Consolidated 5s,

v John arms of Agricula Comnuch in wn self st other nius is nd pert hand. et anv books. id was ncerned ncceedbook, ut they science or of ord of gradual ith the has heupon a

1910.

s have ming a farmer ient to f those out-ofcalled fr. Meis the oes not

er the indeed, road as menter onfined himself alue to

WS s infor-natters, s, divi-

rket. e 29.

ight & d, 88; o. first ferred,

ear 5s, lonsoli-1, 211/2 Cotton

t, 73; nerican eposit, timore

ls, 94;

; Me-

Houston Oil common, 6½; Macon, Dublin & Savannah 5s, 96¼; Norfolk & Ports-Passenger 5s, 100; Baltimore City 5s, 1916, F. L., 104; Norfolk City refunding 4s, 1928, 92½; Baltimore Traction 5s, c basis a farmrfected | Last Quotations for the Week Ended June 29, 1910. |
Railroad Stocks.	Par. Bld. Asked. Atlantic Coast.	100	115	116
Atlantic Coast.	100	115	116	
Atlantic Coast.	100	125	126	
Atlantic Coast.	100	125	126	
Atlantic Coast.	100	125	126	
Georgia Sou. & Fla. 1st Pfd.	100	92		
Georgia Sou. & Fla. 2d Pfd.	100	75		
Seaboard Company Common.	100	22	24	
Seaboard Company Last Pfd.	100	434	45	
Thited Rys. & Elec. Co.	50	13%	144	
Bank Stocks.	100	140	150	
First National Bank.	10	120		
First National Bank.	100	140	150	
Maryland National Bank.	100	123	24	
National Bank of Baltimore.	100	118		
National Bank of Commerce.	15	30	.	
National Howard Bank.	10	126	126	
National Marine Bank.	30	42	.	
National Marine Bank.	30	42	.	
National Mechanics Bank.	100	127	.	
Second National Bank	100	120	.	
Second National Bank	20	30½	.	
Trust, Fidelity and Casuality Stocks.	. andling armers			

ps, anird and

ussions outhern

s been trading n 13¾ 13% to 4; do.

do. do.

d, 33; 3; de.

West Va. Central 1st 6s, 1911	100%	
Wilmington & Weld. Gold 5s, 1935.	1061/4	
Wilmington & Weldon 4s	97	
Street Railway Bonds.		
Anacostia & Potomac 5s, 1949	1001/2	1011
Atlanta Con. St. Ry. 5s	1041/4	1043
Balto. City Pass. 5s, 1911	100	
Balto, City Pass, 41/48	99	
Balto., Sp. Pt. & C. 41/28	92	924
Balto, Trac. 1st 5s, 1929	107	108
Balto, Trac. (N. B. Div.) 5s, 1942.	110	1119
Charleston City Ry, 5s, 1923		102
Charleston Con. Elec. 5s, 1999	92	95
City & Suburban 5s (Balto.), 1922.	106%	
City & Suburban 5s (Wash.), 1948.		103
Fairmont & Clarksburg Trac. 5s	94	954
Knoxville Trac. 1st 5g, 1928	102	103
Lake Roland Elevated 5s, 1942	1081/2	110
Lexington Railway 1st 5s, 1949		90
Maryland Electric Railways 58		964
Norfolk & Portsmouth Trac. 5s	82%	83
Norfolk Railway & Light 5s	991/2	100
Norfolk Street Railway 5s, 1944	105	107
Cultural Dallamona 1st to 1049	923/	8.4

'nited Railways 1st 4s, 1949	83%	84
nited Railways 1st 4s, 1949 inited Railways Inc. 4s, 1949	58	581/4
nited Railways Funding 58	801/2	80%
Miscellaneous Bonds.		
'onsolidated Gas 6s, 1910	99%	100
'onsolidated Gas 5s, 1939	107%	***
'onsolidation Coal Refdg. 41/28		95
-BS. Brewing 1st 4s	411/2	42
BS. Brewing Inc. 58	7%	10
faryland Telephone 5s	99	***
It. Vernon-Woodb'y Cot. Duck 5s.	72	721/6
daryland Telephone 5s		901/4

Georgia Southern & Florida 5s, 106 to SOUTHERN COTTON-MILL STOCKS. 1061/2; George's Creek Coal & Iron, 14 to

Quotations Furnished by William S. Glenn, Broker, Spartanburg, S. C., for Week Ending June 27.

141/4: Georgia & Alabama Consolidated 5s,	Glenn, Broker, Spartanburg, S. C., for Week Ending June 27.
102 to 1021/2; Carolina Central 4s, 91;	
Baltimore City 31/2s, 1936, C. & P., 94; do.	Abbeville Cotton Mills (S. C.)
do. 1940, 94; Atlantic Coast Line of South	Alken Mfg. Co. (8. C.)
Carolina 4s, 97; Consolidation Coal,	American Spinning Co. (S. C.) 100 Anderson Cotton Mills (S. C.) 53 55
1111/2: Northern Central Railway stock,	
126: Maryland Electric 5s, 961/2 to 96;	Arkwright Cotton Mills (S. C.) 100 103 Augusta Factory (Ga.)
Jamison Coal & Coke, George's Creek 5s,	Avondale Mills (Ala.) 116
	Belton Mills (S. C.)
90; City & Suburban 5s, Baltimore,	Cannon Mfg. Co. (N. C.) 135
106%; Fairmont & Clarksburg Traction	Cabarrus Cotton Mills (N. C.) 130 135 Chadwick Mfg. Co. (N. C.) Pfd. 100
5s, 951/8 to 95; Baltimore, Sparrows Point	Chiquola Mfg. Co. (S. C.)
& Chesapeake 41/2s, 921/4 to 921/4; Atlanta	Arcadia Mills (S. C.) 100 Arkwright Cotton Mills (S. C.) 100 103 Augusta Factory (Ga.) 60 4 Avondale Mills (Ala.) 116 Belton Mills (S. C.) 137 Brandon Mills (S. C.) 137 Cannon Mig. Co. (N. C.) 135 Cabarrus Cotton Mills (N. C.) 139 Chadwick Mig. Co. (N. C.) Pfd. 100 Chiquola Mig. Co. (S. C.) 130 Clifton Mig. Co. (S. C.) 130 Clifton Mig. Co. (S. C.) 130 Clifton Cotton Mills (S. C.) 130 Clifton Cotton Mills (S. C.) 130
Consolidated Street Railway 5s, 1041/2;	Columbus Mfg. Co. (Ga.) 93 98
Piedmont & Cumberland 5s, 100; Anacos-	Courtenay Mfg. Co. (S. C.)
tia & Potomac 5s, 101; do. guaranteed,	Dallas Mfg. Co. (Ala.)
103: Georgia, Carolina & Northern 5s,	D. E. Converse Co. (S. C.)
10414: Consolidation Coal refunding	Eagle & Phenix Mills (Ga.) 117 Easley Cotton Mills (S. C.) 175 185
41/28, 95; Baltimore City Passenger 41/28,	Easley Cotton Mills (S. C.). 175 185 Enoree Mfg. Co. (S. C.). 57 69 Enoree Mfg. Co. (S. C.) Pfd. 95 100 Enterprise Mfg. Co. (Ga.). 80 85
98½ to 98¼; Detroit United 4½s, 80¾;	Enoree Mfg. Co. (8, C.) Pfd 95 100
	Exposition Cotton Mills (Ga.) 280
Houston Oil common, 6½; Macon, Dublin	Gaffney Mfg. Co. (S. C.) 80 85
& Savannah 5s, 961/4; Norfolk & Ports-	Glenwood Cotton Mills (S. C.)
mouth Traction 5s, 82%; Baltimore City	Gluck Mills (S. C.)
Passenger 5s, 100; Baltimore City 5s,	Graniteville Mfg. Co. (S. C.) 100 165
1916, F. L., 104; Norfolk City refunding	Gluck Mills (S. C.)
4s, 1928, 921/2; Baltimore Traction 5s,	Hartsville Cotton Mills (S. C.) 175
10714.	Henrietta Mills (N. C.) 160 175
SECURITIES AT BALTIMORE.	King Mfg. Co., J. P. (Ga.) 90 93
	Inman Mills (S. C.) 109 108 108 109 109 108 108 109 109 108 108 109
Last Quotations for the Week Ended June 29, 1910.	Langley Mfg. Co. (S. C.) 120 127
Railroad Stocks. Par. Bld. Asked.	Limestone Mills (S. C.) 160 170
Atlantic Coast of Conn	Lockhart Mills (S. C.) 78 85 Lockhart Mills (S. C.) Pfd. 99 100 Loray Cotton Mills (N. C.) Pfd. 95 97 Marlboro Cotton Mills (S. C.) 80 85
Georgia Sou. & Fla. 1st Pfd100 92 Georgia Sou. & Fla. 2d Pfd100 75	Loray Cotton Mills (N. C.) Pfd., 95 97
Seeboard Company Common 100 22 24	Marlboro Cotton Mills (S. C.) 80 85 Mills Mfg. Co. (S. C.) 102
Seaboard Company 1st Pfd100 75 78 Seaboard Company 2d Pfd100 43½ 45	Mollohon Mfg. Co. (S. C.) 105 110
Seaboard Company 1st Pfd. 100 75 78 Seaboard Company 2d Pfd. 100 43½ 45 United Rys. & Elec. Co. 50 13% 14¼	Mills Mfg. Co. (S. C.) 102 Mollohon Mfg. Co. (S. C.) 105 Monaghan Mills (S. C.) 155 Monarch Cotton Mills (S. C.) 105 Monwerty Cotton Mills (S. C.) 125 139
Bank Stocks.	Newberry Cotton Mills (S. C.) 125 130 Ninety-six Cotton Mills (S. C.) 140 150
Citizens' National Bank 10 38 Drovers & Mech. Nat. Bank 100 223	Ninety-six Cotton Mills (S. C.) 140 150 Norris Cotton Mills (S. C.) 125 130
First National Bank	Orr Cotton Mills (S. C.) 90
National Bank of Baltimore 100 118	Pacolet Mfg. Co. (S. C.)
National Bank of Commerce 15 30 National Exchange Bank 100 156 164	Pacolet Mfg. Co. (S. C.) Pfd 39 102 Pelzer Mfg. Co. (S. C.) 169
National Exchange Bank 100 156 164 National Howard Bank 10 13½ 14	Pledmont Mfg. Co. (S. C.) 175 177
National Marine Bank 30 42 National Mechanics' Bank 10 27	Poe Mfg. Co., F. W. (8. C.) 170 180 Saxon Mills (8. C.) 127
National Union Bank of Md100 121	Saxon Mills (S. C.)
Second National Bank	Trion Mfg. Co. (Ga.)
Trust, Fidelity and Casu-	Tucapau Mills (S. C.)
American Bonding Co 25 79 791/2	Union-Buffalo (S. C.) 2d Pfd 17 25
Fidelity & Deposit	Victor Mfg. Co. (S. C.)
Fidelity Trust	Warren Mfg. Co. (8, C.) Pfd 106 110
Fidelity & Deposit.	Washington Mills (Va.)
Miscellaneous Stocks. Ala. Con. Coal & Iron Pfd100 70	Minety-six Cotton Mills (S. C.) 125 130
Con Cotton Duck Common 50 516 7	Woodruff Cotton Mills (S. C.) 125 130
Con, Cotton Duck Pfd	Woodside Cotton Mills (S. C.) 100 110 Watt Mills (S. C.) 95 100
Con. Gas, Elec. Lt. & P. Pfd100 88 Consolidation Coal100 110 112	Williamston Mills (S. C.) 120 125
GBS. Brewing Co	
Coopers Creek Coal 100 14	

Bankers' Conventions.

At the annual meeting of the Maryland Bankers' Association, held at the Blue Mountain House June 21, 22 and 23, the following officers were elected for the ensuing year: President, Joshua W. Miles, Princess Anne; vice-presidents, Waldo Newcomer, Baltimore; M. E. Doll, Frederick; Charles E. Rieman, Baltimore; William McKenny, Centreville; George Cator, Baltimore; George R. Gehr, Westminster; Isaac L. Price, Salisbury; Lewis J. Ort. Midland; Charles Spillman, Baltimore; J. Henry Cook, Baltimore; secretary, Chas. Hann, Baltimore; treasurer, William Marriott, Baltimore; committee of administration, Joseph D. Baker, Frederick; Robert Shriver, Cumberland; H. B. Wilcox, Baltimore; W. B. Copper, Chestertown; Chas. T. Crane, Baltimore. Albert D. Graham of Baltimore was appointed a member of the executive committee to the American Bankers' Association.

The North Carolina Bankers' Associa tion at its annual meeting held at Wrightsville Beach June 22, 23 and 24, the following officers were elected for the ensuing year: President, Lewis E. Pierson, president of the Irving National Exchange Bank, New York; vice-president, F. O. Watts, president of First National Bank, Nashville, Tenn.; chairman of executive council, William Livingston, president of Dime Savings Bank, Detroit, Mich.; general secretary, Fred E. Faunsworth; treasurer, P. C. Kaufman; assistant secretary, William E. Fits Wilson.

FINANCIAL CORPORATIONS.

Ala., Demonolis.-The First National Bank Alla, Demopolis.—The First National Bank capital \$50,000, has been approved; organiz caps, S. Funkenstein, Hope McMillen, J. B Whitefield and Henry McDaniel.

Whiteneid and Henry McDaniel.

Ala., Larkinsville.—A new bank is reported organized with directors thus: A. N. Blakemore, president; M. Gentie, vice-president; J. M. Selby, W. R. Larkin, S. H. Hodges, J. R. Harris, Jr., Thomas M. Gentie, Joshua M. Selby, W. C. Manning, A. F. Harper, J. M. Manning, J. N. Blakemore and Dr. Ca-

Ala., Prattville.—Official: The Fidelity Securities Co. incorporated; capital \$2000; H. E. Glpson, president, and C. T. Kent and Walter Stewart, directors. Business is to begin in July.

Ark., Charleston.—Official: A new bank has been chartered with \$25,000 capital. Directors: P. C. Mays, Vesta, Ark., president; F. J. Schonweller, vice-president; E. D. Means, secretary; J. M. Crandall, treasurer; Wallsce Haynes, T. R. Gibson and Theodore Minder. Business is to begin about October 1.

Minder. Business is to begin about October 1.

Ark., Nashville.—The Bell-Dodson Investment Co., capital \$25,000, is reported incorporated by George H. Bell, C. W. Dodson, J. M. Power and S. W. K. Haller.

Ark., Waldo.—The People's Bank, capital \$50,000, is reported chartered; incorporators, J. M. Davis, president; T. W. Calaway, vice-president; M. D. Clark, secretary and treasurer; W. M. Fincher, J. O. Love, C. O. Parker and S. A. Reasons.

Fla., Fort Lauderdale.—The Fort Lauderdale Bank, capital \$15,000, is reported organized with directors thus: F. R. Oliver, president; H. G. Wheeler, vice-president; F. A. Barrett, cashler; Frank Stranahan and Thomas M. Bryan. Business is expected to begin in the fall.

Fla., Jacksonville.—The National Security & Investment Co. has published its charter; capital \$500,000; incorporators, John J. Ahern, president; John A. Cunningham, vicepresident; Wallace F. Mantey, secretary and treasurer, and John J. Ahern, John A. Cun-ningham and Wallace F. Mantey, directors.

ningham and Wallace F. Mantey, directors.
Fla., McIntosh.—The First State Bank of McIntosh has applied for a charter; capital \$15,000; H. L. Dickson, president; W. M. Gist, first vice-president; Thomas L. Gabbard, cashier, and S. H. Gaitskill, W. M. Gist, H. L. Dickson, J. K. Christian, J. A. Murrell, W. R. Brown, F. B. Hester and Thos. L. Gabbard, directors.

Ga., Atlanta.—The Hillyer Trust Co., which is said to be an enlargement of the Hillyer Investment Co., is reported to have made application for a charter; capital and surplus \$300,000, with privilege of increasing to \$2,000. 509,000, with privilege of increasing to \$2,000; incorporators, Henry Hillyer, William Hurd Hillyer, George Hillyer, Jr., Charles E. Currier, James S. Floyd, Samuel N. Evins, George S. Lowndes, John Morris, Arthur N. Nesson, Frederick J. Paxon and Herbert L.

Wiggs.

Ga., Atlanta.—The Cosmopolitan Life Insurance Co., capital \$1,000,000, expects to begin business in about four weeks. Among the organizers are Hon. J. Pope Brown, Joseph Hirsch, Clifford Anderson, J. S. Hollingshead, Thomas B. Lumpkin and Ed M.

Hafer.

Ga., Empire.—The Empire Banking Co., capital \$25,000, is reported organized with C. C. Hall, president; H. M. Allen, vice-president; R. H. Beacham, cashier; directors, James L. King, John W. Perkins, Wm. E. Hart, J. J. Philips, A. L. Smith of Empire, John D. Walker of Sparta, J. F. Fender of Valdosta and Herbert L. Grice of Hawkinsville. Business is expected to begin about Sentember 1.

wille. Business as Capetaller. Bank of Benevo-lence, recently organized with \$25,000 capital, has elected E. R. Ward, president; W. W. Binion, vice-president; B. F. Turner, cashier.

Ga., Tifton.—The Southern Loan & Realty Co., capital \$1000 to \$10,000, has filed articles of incorporation; E. A. Buck and Frank Scarboro, incorporators.

Ga., Vidalia.—The First National Bank of Vidalia is reported to have elected officers thus: W. O. Donovan, president; James McNatt, first vice-president; J. Wade Johnson, second vice-president, and George S. Roun tree, cashier. Business is to begin about Sentember 1.

Ga., Waycross.-The Citizens' Bank, which Ga., Waycross.—The Citizens' Bank, which is to begin business July 2 with \$59,000 capital, has elected directors thus: President, J. B. Bunn; first vice-president, M. L. Bunn; second vice-president, H. W. Stubbs; assistant cashier, H. C. Bunn; Alex. K. Sessions, T. W. Morrison, Warren L. Hinton. E. A. Stubbs is cashier.

tal, will begin business July 5 with directors thus: C. A. Paxson, president; C. C. Davis and Geo. C. Shippen, vice-presidents; J. W. Tooke, cashier; J. S. Roberts, S. W. Smith, J. H. Lewis, M. P. Nolen and E. F. Pressley.

La., Houma.—The Bank of Terrebonne will, it is stated, begin business July 1 with three vice-presidents; Ernest Ellender, first vice-president; Charles J. Champagne, second vice-president, and E. L. Lecompte, third vice-president.

La., Loreauville.—Official: The Bank of Loreauville, capital \$20,000, expects to begin business September 1 with Guy A. Shaw, president; C. F. Berard, vice president, and John O. Bonin, cashier.

La., Vinton.—E. N. Hazzard, cashier of the Calcasieu Trust and Savings Bank, Lake Charles, La., confirms the report that a branch is to be established to be known as the Calcasieu Trust and Savings Bank, Vin-

Md., Hampstead,-The First National Bank of Hampstead has begun business with Dr. E. M. Bush president, William A. Abbott vice-president, Daniel Shamberger cashier and R. B. Murray assistant cashier.

and R. B. Murray assistant cashler.

Md., Baltimore.—The Traders and Merchants' Loan and Savings Association, capital \$100,000, incorporated by Morris M. Scherr, Wm. Morestein, Getzel Fox, Samuel Silberman, Joseph Lerner, Joseph Barshop, Philip Steinberg and Hyman Saidler.

Md., Galena.—The Chestertown Bank will, It is reported, open a bank at Galena. Rev. A. P. Prettyman will be president and James D. Davis cashier.

Mo., Auxyasse.—The Farmers and Traders'
Bank, capital \$29,009, will, it is reported, begin business July 6 with directors thus: R.
R. Buckner, president; Dr. J. W. Berry, vicepresident; Z. V. Wakefield, cashier; Harry
Meyer, assistant cashier; Hiram Threlkeld,
W. G. Meyer, William H. Yates and Glenn

Thomas.

N. C., Marshall.—The Citizens' National Bank, capital \$50,000, is reported organized by Charles E. Marshburn and others.

N. C., Shelby.—Official: The Shelby and Cleveland County Building and Loan Association has organized with officers thus: President, A. C. Miller; vice-president, Dr. S. S. Royster; secretary and treasurer, Geo. P. Webb; attorney, B. T. Falls; capital \$500,000. Business began June 25.

N. C., Wadesboro.—The Dixle Development

N. C., Wadesboro.—The Dixle Development Co., capital \$100,000, is reported organized by W. C. Long and others.

Okla., Goltry.—The Goltry State Bank, capital \$10,000, has been incorporated by G. P. l'owelson, O. F. Preston and C. E. Thorn-burg of Goltry, and James Box of Nashville.

Okla., Greensboro.—The Bank of Greens-boro has been granted a charter; capital \$10,000; directors, H. R. Bandy, J. N. Hargis, T. S. Green, W. P. Ward, M. G. Clow, H. C. Jones and W. E. Hassebrook, all, of Rich-

Okla., Homlny .- The Pioneer Title & Mort gage Co., capital \$15,000, is reported chartered; directors, Carl Mullendore, L. D. Edgington and C. L. Edgington.

8. C., Elloree.—The People's Bank has organized with W. M. Fair, president; P. P. Hungerfuller, cashier; E. F. Ulmer, secretary; directors, G. W. Shumaker, E. F. Ulmer, G. P. Caughman, E. M. Parlee, J. S. Hart, W. M. Fair, A. W. Browning and W. P. Gramling.

F. Graming.
S. C., Norris.—The Bank of Norris, capital \$20,000, is reported chartered; officers, J. D. Walker, president; J. H. Chapman, first vice-president; G. F. Norris, second vice-president, and E. W. Tate, cashier.

dent, and E. W. Tate, cashier.

Tenn., Loretta.—Official: The Bank of Loretta incorporated; capital \$1290; organizers, Wm. Sandschulte, J. P. Augustin, W. H. Augustin, Joe Kessler and Frank Hollander, all of Loretta; A. L. Phillips, Lexington, Ala.; M. G. Waldrop and Y. H. Lester, Sheffield, Ala., and B. P. Lumpkins of Pleasant Point, Tenn. Business is to begin about

July 1.

Tenn., Flatwoods.—Official: The Bank of Flatwoods chartered; capital \$10,000; S. T. Sharp, president, and E. S. Chappell, vice-president; directors, R. C. Bromley, M. C. Thorp, W. N. Armstrong, L. C. Whitaker, J. N. Bastin, all of Flatwoods; W. N. Horner, Horner, Tenn.; Hunter Kittrell, Flatwoods, Tenn., Route 1; Wayne Copeland, Waynesboro, Tenn., and A. A. Bortiy, Lovic, Tenn. Business is to begin about September 1.

Tex., Lyons.—The Lyons State Bank will, it is reported, soon begin business.

ant cashier, H. C. Bunn; Alex. K. Sessions,
T. W. Morrison, Warren L. Hinton. E. A.
Stubbs is cashier.

La., De Ridder.—Official: The Lumberman's
State Bank, incorporated with \$25,000 capiF. O. A. Ladner, cashier; Aug. Telwes, Geo.

Treude, Geo. Bode and M. G. Mueller. Business is to begin about August 1.

Tex., San Saba.—Official: The San Saba National Bank chartered; capital \$25,000 with \$2500 paid in. Business began June 11 with J. D. Estep president, R. C. Sioan vice-president, Alex. E. Moore cashier.

Tex., Dublin.—The Guarantee State Bank is reported to have organized with directors thus: B. M. Utterback, president; C. G. Foust, vice-president; E. L. Self, cashier; J. M. Jordan, C. S. Bowen, Henry Weiser, D. L. Miller, D. L. Harris and H. J. Perkins.

Tex., Greenville.—The Southern Live Stock Insurance Co. has been granted a charter; capital \$12,000; incorporators, H. W. Williams, J. M. Tisdale and C. B. Jones.

Tex., Jayton.—The First National Bank has been approved; capital \$50,000; organiz ers, Joe Jay of Jayton, T. E. Murdoth, R. Goodall, W. S. Hancock and W. K. Moreland

Tex., Lockhart.—Official: The Lockhart State Bank, capital \$25,000, began business June 7 with directors thus: C. E. Jones, president; M. C. Jeffrey, vice-president; F. Alvers, H. W. Fielder, Lockhart; C. C. Ramsey, Mendoza, Tex. J. H. Blaks, Jr., will be cashier.

Tex., San Angelo.—Official: The Concho Valley Loan & Trust Co. is about to apply for a charter; capital \$200,000, fully paid in; directors, T. C. Wynn, president, and C. C. Kirkpatrick, secretary and treasurer; J. B. Sugg, Edgar S. Hamilton, R. A. Hall, James C. Landon, Chas. W. Hobbs, George Richardson, W. B. Hunter, H. G. Taylor, C. E. Mays, W. A. Holifield, Boyd Cornick, L. F. Boulware and T. K. Wilson. Business is expected to begin July 1.

Tex., Thompson.—A letter to the Manufacturers' Record denies the report that a new bank is being organized.

Tex., Waco.—The Central Texas National Bank has been approved; capital \$300,000; organizers, F. E. McLarty, L. Johnson, R. B. Spencer and W. H. McCullough.

Va., Roanoke.—The Colonial Bank & Trust Co., Inc., capital \$300,000 to \$500,000, has been granted a charter; T. H. Cooper, president, Salem, Va.; E. W. Mollihan, vice-president, Washington, D. C.; H. H. Dean, secretary, Sutton, W. Va.

Va., Fulton.—A new bank capitalized at \$50,000 is reported being organized.

NEW SECURITIES.

Ala., Albertville.—Reported that on July 19 an election will be held to vote on \$25,000 of water-works bonds.

Ala., Greenville.—According to press dispatches, an election is to be held in Butler county July 2 to vote on \$150,000 of road bonds.

Ala., Dothan.—The First National Bank of Dothan is reported to have purchased at par \$500 of sidewalk bonds.

Ala., Selma.—Reported that all bids received for the \$250,000 of Dallas county road bonds were rejected. It is said they will be reoffered within the next few weeks.

Ark., Fort Smith.—Edward Whitaker & Co. of St. Louis is reported to have purchased the \$650,000 of 5 per cent. 25-year bonds of Fort Smith and Van Buren bridge districts.

Ark., St. Francis.—The sale of \$710,000 of 5 per cent. refunding bonds of St. Francis levee district is reported authorized.

Fla., Fort Myers.—An official letter says than an election will be held August 25 to vote on \$60,000 of bonds as follows: Sewerage, \$35,000; water-works, \$15,000; schools, \$10,000. Robert Lilly is Mayor and N. G. Stout, Clerk.

Fla., Jacksonville.—Notice is given that on July 18 an election will be held to vote on \$100,000 of 5 per cent. improvement bonds; denomination \$1000. William S. Jordan is Mayor

Fla., Pensacola.—An official letter confirms the report that \$150,000 of street paving and \$100,000 of sewerage bonds have been voted; denomination \$1000; interest not exceeding 5½ per cent. L. G. Aymard is City Clerk.

Fla., White Springs.—July 12 an election is to be held, it is reported, to vote on \$20,000 of water and sewer bonds.

of water and sewer bonds.

Ga., Oliver.—Official: Voted: \$2000 of 5
per cent. 1-25-year school-building bonds; denomination \$1000; dated January 1, 1911; date
of opening bids not yet fixed. Address John
Kennedy, Mayor.

Ga., Oliver.—Reported voted: \$2000 of 5 per cent, school-building bonds.

Ga., Reidsville.—Reported voted: \$8000 of water-works bonds.

Ga., Sparta.—Press dispatches state that an election is to be held in Hancock county to vote on \$60,000 of road bonds.

Ga., Sylvania.-Official: Bids will be

opened August 1 for \$40,000 of 5 per cent. 10-27 and 30-year water-works, light and sewerage bonds. A. B. Lovett is Mayor.

Ky., Cattlettsburg. — Voted: \$10,000 of school bonds. C. E. Scott is secretary, Board of Education.

Ky., Wingo.—Voted: \$5000 of 20-year schodlstrict building bonds.

Ky., Guthrle. — Official: June 7 Guthrle Graded Common School District voted to issue 2 per cent. of the assessed value of property to erect school building and fixtures. About \$10,000 will probably be needed. Interest not to exceed 6 per cent. Address W. C. Balee, secretary.

La., Amite City.—Reported voted: \$30,000 of school-building bonds.

Md., Annapolis.-Voted: \$24,000 of improvement bonds.

Md., Havre de Grace.—Bids will be opened July 21 for \$27,000 of improvement bonds. Address The Mayor.

Md., Laurel.—July 5 an election is to be held to vote on \$35,000 of sewerage bonds. William Gilbert is Mayor.

Md., Westminster.—Press dispatches state that \$25,000 of 4 per cent. floating-debt and street-improvement bonds have been sold at par and ½ per cent. premium.

Miss., Aberdeen.—Notice is given that the Board of Supervisors of Monroe county proposes to issue 5 per cent, 10-25-year bonds of the Fourth Supervisors' District for construction and maintaining public highways. C. P. Smith is clerk Board of Supervisors.

Miss., Cleveland.—Official: \$20,000 of bonds will soon be offered for sale. A. Farles is Mayor.

Miss., Hattiesburg.—Reported that bids will be received until July 5 for \$15,000 of reservoir and school-building bonds.

Miss., Hernando.—Bids will be received until 6 P. M. July 1 for \$8000 of 6 per cent. municipal bonds; denomination \$500. Address A. J. Weissinger, chairman bond committee.

Miss., Jackson. — Press dispatches state that the \$600,000 of State bonds are to be offered at private sale.

Miss., Macon.—The Brighton German Bank of Cincinnati is reported to have purchased at \$200.50 premium \$12,500 of 5 per cent. 20year Noxubee county courthouse and repair bonds.

Miss., Meridian.—The Board of Supervisors of Lauderdale county is reported to have authorized an issue of \$200,000 of road bonds.

Miss., Oxford. — Official: R. S. Adams, Mayor, will receive bids until 7.30 P. M. July 6 for \$30,000 of 6 per cent. light and water bonds; denominations, \$500 and \$1000 each: dated July 1, 1910; maturity, \$500 July 1, 1911 to 1929; \$20,500 July 1, 1930. Bonds were voted June 1, 1910. W. L. Smith is deputy City Clerk.

Miss., Richton.—Official: Coffin & Crawford of Chicago have purchased the \$12,000 of 6 per cent. school bonds; denomination \$500.

Mo., Charleston.—A. G. Edwards & Sons, St. Louis, according to press dispatches, recently purchased at \$220 premium \$20,000 of 5 per cent. 10-20-year school district building bonds.

Mo., Liberty.—Official: Bids will be opened at 8 P. M. June 28 for \$20,000 of 5 per cent. 20-year water-plant improving and enlarging bonds; denomination \$500; dated July 1, 1910. Address C. S. Murray, Mayor. B. Y. Corbin is City Clerk.

Mo., Sedalia.—Reported that all bids received June 20 for the \$55,000 of 4½ per cent. 10-20-year school district building bonds were rejected.

Mo., Webb City.—Reported that \$5000 of bonds are to be issued to "tide the city over the dull months in the tax collections."

N. C., Murphy.—M. H. Kelly of Asheville is reported to have been awarded at par for 5½s the \$25,000 of 20-year water and sewer

N. C., Sanford.—A. J. Hood & Co. of Detroit are reported to have purchased the \$25,-000 of 4½ per cent. 40-year sewerage bonds.

N. C., Schultz.—Seasongood & Mayer of Cincinnati are reported to have purchased \$10,000 of 6 per cent. 1-20-year high-school building bonds at 102.58 and accrued interest.

N. C., Southern Pines.—Bids will be opened July 6 for \$20,000 of 6 per cent. 20-year refunding bonds. Address D. E. McIver, attorney, Sanford, N. C.

Okla., Cheyenne.—Gessler & Krausnick of St. Louis are reported to have purchased \$4000 of 6 per cent. 20-year building bonds of Cheyenne school district No. 61.

Okla., Cordell. — J. J. McCurley, County Treasurer, will receive bids until July 16 for \$75,000 of 10-20-year Washita county courthouse bonds; interest not to exceed 5 per cent.

Okla., Foraker.—Reported voted: \$5000 of light and \$25,000 of water-works bonds.

Okla., Mangum.—Reported voted: \$20,000 of sewer-extension, \$40,000 of water-works and \$25,000 of city-hall bonds. Okla., Muskogee.—July 23 an election is to

Okla., Muskogee.—July 23 an election is t be held to vote on \$100,000 of Muskogee coun ty road and bridge bonds.

Okla., Sayre.—Beckham county is reported to have voted \$70,000 of 5 per cent. courthouse and jail bonds.

Okla., Shawnee.—J. G. Knouse, secretary Board of Education, is reported offering for sale \$50,000 of bonds of Shawnee school district. F. W. Christener is president.

S. C., Columbia.—Press dispatches state that the City Council has accepted the offer of a Baltimore banking-house for the \$850,000 of 4 per cent. 30-year refunding bonds, under the arrangement that the banking-house carry the issue for one year at 6½ per cent.

8. C., Lowryville.—A. W. Lowney, secretary Board of Trustees, is reported receiving bids for \$4000 of 5 per cent. school-building bonds.

S. C., Mt. Pleasant.—R. V. Royall, Mayor, writes that a citizens' meeting June 20 decided against bonding town for water-works system.

S. C., Timmonsville.—Reported that \$20,000 of school-building bonds have been purchased by J. Willard Ragsdale of Florence, president of the Farmers and Mechanics' Bank.

S. C., Williston.—Reported voted: \$12,000 of school bonds.

Tenn., Erwin.—June 30, it is reported, an election is to be held to vote on \$20,000 of improvement bonds.

Tenn., Gleason.—Reported voted: \$6000 of sidewalk bonds.

Tenn., Covington.—Official: Voted: \$15,000 of 5 per cent. 30-year high-school bonds. Address W. V. Bringh, Mayor.

Tenn., Johnson City.—Official: Bids will be received by E. E. Ellsworth, City Recorder and Treasurer, until noon July 9 for \$75,000 of 25-year Washington county school and \$75,000 of 20-year Johnson City State normal school 5 per cent. bonds. N. S. Squible is chairman County Court. This is a joint county and city issue.

Tenn., Johnson City.—Official: City ha voted \$375,000 of water-works bonds. Addres Board of Aldermen.

Tenn., Memphis.—Ordinances have been prepared, it is reported, providing for the sale of \$575,000 of improvement bonds.

Tex., Amarilio.—Bids will be received by J. H. Patton, Mayor, until 3 P. M. July 21 for \$75,000 of street, road and bridge, \$40,000 of sewer and \$10,000 of fire-station 5 per cent. 20-40-year bonds.

Tex., Aransas Pass.—An election will soon be held, it is reported, to vote on \$15,900 of street and \$25,000 of water-supply bonds.

Tex., Austin.—The Attorney-General has approved securities as follows: \$40,000 of sewer, \$10,000 of fire station, \$75,000 of road, bridge and street 5 per cent. 40-year bonds of Amarillo; \$5000 of 5 per cent. Celine independent school district bonds, \$1900 of 5 per cent. 5-40-year Haskell county courthouse-repair bonds, \$10,000 of 5 per cent. 20-40-year city in all and fire-station bonds, \$7000 of 5 per cent. 10-40-year Stonewall county jall bonds, \$32,000 of 5 per cent. 10-40-year Mount Pleasant independent school district bonds; \$15,500 of 5 per cent. 10-40-year bonds of Milam county improvement district No. 1; \$15,000 of 5 per cent. 15-40-year Weatherford fire-station and city-hall bonds; \$110,000 of 5 per cent. 10-40-year Wichita Falls independent school district bonds; \$8000 of 5 per cent. 40-year Harris county independent school district No. 16 school bonds; \$900 of 5 per cent. 10-20-year Camp county common school district No. 14 school house bonds.

Tex., Beeville.— An election to vote on \$30,000 of school bonds is reported under consideration.

Tex., Cooper.—Bids will be received by T. E. Gardner, Mayor, until July 6 for \$8000 of 5 per cent. 20-40-year school bonds.

Tex., El Paso.—Reported voted: \$375,000 of water-works bonds; C. W. Fassett is City Clerk.

Tex., Ennis.—Official: Voted: \$225,000 of 5 per cent. 10-40-year bonds of Public Road District No. 2, Ellis county. Address J. T. Spencer, County Judge, Waxahachie, Tex. The record will be submitted shortly for approval and the bonds executed and offered for sale.

Tex., Georgetown.—Reported voted: \$25,000 of school bonds.

Tex., Killeen.—Official: The Board of Education has purchased \$14,000 of school-building and equipping and \$0000 of refunding a per cent. 40-year bonds; denomination \$1000; dated April 15, 1910. Address Spencer Young

Tex., Lamarque.—Reported that on July 16 an election will be held to vote bonds to construct drainage ditches in district No. 2, Galveston county, to cost \$45,000.

Tex., Lavon.-Lavon School District is reported to have voted \$9000 of school bonds

Tex., League City.—Official: Voted: \$15,000 of 5 per cent. 20-40-year Independent School District school bonds; denomination \$1000; dated July 15, 1910.

Tex., Maxwell.—Reported voted: \$6500 of 5 per cent, 20-year school bonds.

Tex., Miami.—Bids will be received until 13 A. M. July 15 for \$29,000 of 5 per cent. 10-20-year bonds of Roberts county common school district No. 1. Address W. Coffee, County Judge.

Tex., Mission.—Reported voted: \$15,000 of school bonds.

Tex., Memphis.—Bids will be received until 7.30 P. M. July 15 by J. H. Read, City Treasurer, for \$20,000 of 6 per cent. 20-40-year sewer bonds; denomination \$500.

Tex., Mt. Pleasant.—Official: Bids will be received by C. M. Embrey, secretary School Board, until July 8 for \$32,000 of 5 per cent. 10-40-year Mt. Pleasant independent school district bonds; denomination \$500.

Tex., Peurland.-Voted: \$124,000 of bonds of Pearland drainage district.

Tex., Richmond.—Official: Bids will be received by C. C. Baker, Jr., County Judge, until 10 A. M. July 25 for \$150,000 of 5 per cent. 10-40-year bonds of Road District No. 1, Fort Bend county; denomination \$500; dated

Tex., Sabinal.—Reported voted: Bonds for school building.

Tex., Taylor.—An issue of \$16,000 of schoolbuilding bonds is reported under considera-

Tex., Welr. - Reported voted: \$10,000 of

Va., Chatham.—An election will probably be held the latter part of July to vote on \$10,000 of street-paving and high-school-building bonds.

Va., Covington.—Seasongood & Mayer of Cincinnati are reported to have purchased the \$80,000 of 5 per cent. Allegheny county courthouse and bridge bonds.

Va., Warrenton.—A. R. Bartenstein, chairman Finance Committee, will receive bids until noon July 1 for \$15,000 of 5 per cent. reservoir bonds.

At Mount Pleasant, Tex., bids will be received until July 8 for \$32,000 of 5 per cent. 10-40-year Mount Pleasant Independent school district bonds. Further particulars will be found in the advertising columns.

At Richmond, Tex., bids will be received until 10 A. M. July 25 for \$150,000 of 5 per cent. 10-40-year bonds of Road District No. 1, Fort Bend county. Further particulars will be found in the advertising columns.

FINANCIAL NOTES.

The First National Bank of Newnan, Ga., is reported to have decided to increase its capital from \$57,000 to \$114,000.

The Farmers' State Bank of Milan, Tenn., according to press dispatches, has increased its capital from \$40,000 to \$60,000.

The Pan-American Investment Co. of Gulfport, Miss., has, according to press dispatches, amended its charter, increasing its capital from \$50,000 to \$100,000.

The People's Bank of Houma, La., according to press dispatches, will amend its charter, changing its name to the People's Bank & Trust Co. and increasing its capital from \$50,000 to \$100,000.

Concerning the report that the Ruston State Bank of Ruston, La., had increased its capital from \$50,000 to \$100,000, an official letter says that the capital of the bank has been \$100,000 since 1903.

The Capital Securities Co. is reported to have moved its home office from Washington, D. C., to 502-503 National Bank of Commerce Building, Norfolk, Va., where it is now doing business. S. L. Harris is president.

A condensed statement of 323 State banks doing business in Mississippi June 2, 1910, shows loans and discounts \$45,292,332; due from banks, \$8,345,725; cash items, \$1,136,781; cash on hand, \$3,038,877; capital stock paid in, \$12,724,003; surplus, \$2,738,094; undivided profits, \$2,169,621; individual deposits, \$34.378,596; itime certificates of deposit, \$3,985,885; due other banks, \$656,817; total resources, \$56,688,649.

Established 1835

1910.

of Edu-ol-build-nding 5 a \$1000;

July 16

t is re-

\$15,000

500 of 5

d until r cent. common Coffee,

5,000 of

d until Treas-r sewer

will be School r cent. school

onds of

Judge, 5 per No. 1, dated

nds for

school-sidera-

,000 of

obably ote on l-build-

yer of chased

county

chair-e bids r cent.

be re-

school cill be

eceived

5 per No. 1, rs will

a, Ga., ise its

reased

Gulf-

s dis-ng its

ccord-char-Bank from

Ruston sed its al let-k has

ted to

ngton, merce doing

banks , 1910, ; due 36,781;

urces.

The Merchants National Bank South and Water Sts., BALTIMORE, MD.

South and Water Sts., BALTIMORE, MD.
DOUGLAS H. THOMAS, President.
WM. INGLE, Vice-Prest, and Cashier.
J. C. WANDS. Asst. Cashier.
JOHN B. H. DUNN, Asst. Cashier.
Capital, \$1,500,000
Surplus and Profits,
Deposits, \$12,000,000
Accounts of Banks, Bankers, Corporations and Individuals solicited. We invite correspondence.

JOHN NUVEEN & CO.

1st Nat. Bank Bldg., CHICAGO

We purchase SCHOOL, COUNTY and MU-NICIPAL BONDS. Southern Municipal Bonds a Specialty.

Write us if you have bonds for sale,

THE FIRST NATIONAL BANK

OF KEY WEST, FLA.
United States Depository and Disbursing Agent.

Agent.
Capital - - \$100,000
Surplus and Undivided Profits - 40,000 A general banking business transacted. Special attention given to collections.

DELAWARE TRUST CO. WILMINGTON, DEL.

EDWARD T. CANBY President.
J. ERNEST SMITH, General Counsel and Vice-President.
HARRY W. DAVIS, Secretary.

Fully Equipped Department for the Organization of Corporations under advice of Counsel, and for the Registration of Corporations as required by the Delaware Law.

Represents over 500 Domestic and Foreign Corporations.

The Delaware Corporation Law is Broad, Liberal, Safe and Stable. Granting and annual taxes low.

MANUFACTURERS and JOBBERS

Frequently find it necessary to have BANKING FACILITIES in addition to those offered by local banks.

FIRST NATIONAL BANK OF RICHMOND, VA.

With assets of nine million dollars, offers just the additional facilities required. Jno. B. Purcell, President. Jne. M. Miller, Jr., Vice-Pres. and Cashier.

Hugh MacRae & Co. BANKERS

MISCELLANEOUS SOUTHERN SECURITIES

COTTON MILL STOCKS

WILMINGTON, N. C NEW YORK CITY 149 Broadway

Southern Steam Railroad Securities DEALT IN

F. J. LISMAN & CO.

Specialists in Steam R. R. Securities Members New York Stock Exch

NEW YORK 30 Broad Street

404 Connecticut Mutual Bidg., Hartford. Land Title & Trust Bidg., Philadelphia.

Joy Connecticut Mutual Bidg., Hartford.
Land Title & Trust Bidg., Philadelphia.

CROSS CREEK COAL COMPANY 6% Gold bonds, total issue \$250,000. All have been disposed of to investors and bankers in different parts of the country, including Saco, Maine; Boston, Mass.; Rochester, N. Y.; Westheid, Olean, Fredonia and Buffalo, N. Y.; Franklin, Coudersport, Pittsburgh, Smetiport, Shamokin and Port Allegany, Pa.; Columbus, Dayton and Springfield, Ohio; Northfork, Welch and Bluefield, W. Va.; Roanoke, Va.; Nashville, Knoxville, Jasper, Chattanooga and South Pittsburg, Tenn.; Atlanta, Ga.; Lowell, Mass.; East Orange, N. J., and Washington, D. C., until now there are but \$39,000 of them left. These bonds are first lien on 7000 acres of the best coal properties in Tennessee, and \$75,000 of this money is being spent on an up-to-date coal works with a capacity of about 1000 tons a day. Particulars will be furnished from the office, 1006 Mutual Life Building, Buffalo, N. Y. P. S.—A bonus of preferred stock will be given with the bonds.

GEO. M. CLARK

Auditor and Public Accountant

Reem 315 James Building CHATTANOOGA, TENN.

INVESTMENT SECURITIES

Southern Stocks and Bonds Municipal and Corporation Cotton Mill Stock a Specialty

WM. S. GLENN Broker - SPARTANBURG, S. C.

CAPITAL \$1,000,000

SURPLUS, \$2,500,000

RESOURCES MORE THAN \$11,000,000

The Baltimore Trust Co. BALTIMORE, MD.

Sussessor to the

International Trust Company of Maryland

The Baltimore Trust and Guarantee Company

THOMAS H. BOWLES, President DOUGLAS H. GORDON, First V.-Prest G. C. MORRISON, Secend V.-Prest. SAMUEL C. ROWLAND, Third V.-Prest C. D. FENHAGEN, Secretary-Tressurer
Interest Allowed on Deposits Subject to Check, and Special Rates Made on Time Deposits.

Your Business is Solicited.

THE AMERICAN AUDIT CO.

E A. LEITCH, Resident Manager.

Mutual Building, RICHMOND, VA.

Our reports are accepted by the leading financiers of the world, and are frequently made the basis of credit.

Home Office, 100 Broadway, New York

Branches in all Principal Cities

PAULSON, LINKROUM & CO.

COMMISSION MERCHANTS

COTTON YARNS

NEW YORK 87-89 Leonard Street

PHILADELPHIA 120 Chestnut Street

CHICAGO 186 Market Street

The National Exchange Bank

Hopkins Place, German and Liberty Sts. Capital, \$1,000,000

July 15, 1908, Surplus and Profits, \$671,631.60

OFFICERS: OFFICERS:
WALDO NEWCOMER, President.
SUMMERFIELD BALDWIN, Vice-Pres.
R. VINTON LANSDALE, Cashier.
C. G. MORGAN, Asst. Cashier.
Accounts of Mercantile Firms, Corporations,
Banks, Bankers and Individuals Invited.

Bank of Richmond

Capital and Surplus, \$1,500,000

RICHMOND, VA.

JOHN SKELTON WILLIAMS, President.
FRED'K E. NOLTING, 1st Vice-President and Cashler.
H. A. WILLIAMS, Assistant Cashler.
L. D. CRENSHAW, JR., Trust Officer.

In aiding the development of legitimate business enterprises, this bank believes that it performs a required duty, and to this end offers the services of a live, progressive bank, conservatively managed.

RELIABLE INFORMATION IS PROTECTION

If you could always get reliable, complete, unbiased information about any investment proposition offered you—if you could get all the pertinent Facts relating to such investments—you would make mighty few mistakes, and your income would increase every year.

year.
We can give you such information. That's our business. Write today.
INVESTORS' INFORMATION BUREAU,
11-712-713 Union Trust Bidg.,
Dept. H.
Detroit.

CORPORATIONS ORGANIZED

Incorporate Your Business Under Delaware
Laws and Avoid Personal or Partnership
Liability. Insurance and Business Companies Chartered and Organized at reasonable
rates. Different kinds of business may be
transacted under the same Charter. Can
operate anywhere. Bonds may be issued and
sold to exploit the business. Law fully adjudicated by our courts. Charters perpetual.
Foreign Corporations Represented. For information write
LAWYERS' CORPORATION TRUST CO.,
Wilmington, Delaware.
Artemas Smith, Esq., General Counsel.

VIRGINIA-CAROLINA CHEMICAL CO.,
Treasurer's Office,
Richmond, Va., June 14, 1910.
Dividend No. 59.
The Board of Directors have this day declared a dividend of TWO (2%) per cent, the same being consecutive quarterly dividend No. 59, on the Preferred Stock of this Company, payable July 15, 1910, when checks will be mailed to all preferred stockholders of record at the close of business on June 25, 1910, and, for the purposes of this dividend and of the annual stockholders' meeting, the transfer books of this Company (for both Preferred and Common stock) will be closed from 12 noon June 25 to 10 A. M. July 21, 1910.

8. W. TRAVERS, Treasurer.

GO SOUTH!

Real Estate, Timber, Mines, Industrial Properties, Investment Securities, Busi-ness Opportunities and Mortgugesh South-ern States and Mexico, correspond with SOUTHERN STATES DEVELOPMENT CO.

GEO. B. EDWARDS, President, New York, N. Y. Office, Tribune Building, 164 Nassau St. Connections in the Principal Cities of Europe.

LITHOGRAPHED **ENVELOPES**

at prices very little higher than printed.

Done on a Wonderful New Machine in the shop of

YOUNG & SELDEN CO. BALTIMORE, MD.

Very high grade Lithographers Bank and Commercial Stationers Printers Blank Book Makers

Write for Samples and Prices.

SOUTHERN TRUST COMPANY

HAWKINSVILLE, GEORGIA

Paid in Capital Stock, \$100,000

Buy and sell real estate, stocks, bonds, mortgages and other securities. Make investments and act as executor, administrator, trustee, receiver for firms, individuals and corporations.

Real estate loans and preparing ab stract of titles a specialty.

6% interest allowed on time deposits.

Correspondence solicited.

T. B. RAGAN. Prest. E. J. HENNY, Vice-Pres. H. E. COATES, Sec. & Treas.

SURETY BONDS

Fidelity and Deposit Co. OF MARYLAND

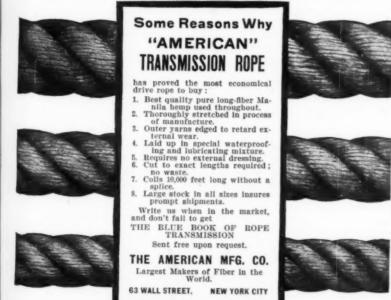
BALTIMORE, MD. Home Office,

Assets Over \$5,000,000

Pioneer Surety Co. of the South. Becomes Surety on bonds of every description.

AGENTS IN ALL PRINCIPAL CITIES HARRY NICODEMUS, EDWIN WARFIELD, Sec'y and Treas.

The American Mfg. Co. also makes Manila, Sisal and Jute Rope; India, Italian and American Hemp Marlines, and Fine Twines, Bag String, Compress Twine, Bale Rope, Lath and Fodder Yarn, etc. Write for samples and prices.





ALPHABETICAL INDEX OF ADVERTISERS. FOR "CLASSIFIED OPPORTU-

A
Abendroth & Root Mfg. Co.....104 Reddeno Oo. The...
Reed, Warren B.
Resves Mfg. On
Results of Mig. On
Republic Iron & Steel Oo.
Republic Iron & Steel Oo.
Republic Iron & Oo.
Revers Rubber Oo.
Richmond Forging Corponal
Richmond Fredricksburg & Pe McCrary Co., Inc., J. B...... 19 McDonald Bros. Pitless Scale | McCorary Co., Inc., J. R. | 19 |
McDonald Bros. Pitless Scale Co. | 76 |
McGowen Co., John H. | 106 |
McKenna, Dr. Chas. F. | 18 |
McKenna, J. A. | 83 |
McKernan Drill Co. | 87 |
McLanaban-Stone-Mach. Co. | 102 |
McMichael, James M. | 18 |
McWane Pipe Works | 104 |
McMahap Pipe Works | 36 |
McKelburg Iron Werks | 36 |
McKelburg Iron Werks | 36 |
McKelburg Iron Werks | 37 |
McChanta & Evans Co. | 27 |
McChanta & Minery Transportation |
McChanta & Minery Transportation | 118 |
McChan Abrasive Material Co.... ing Co 18
Huggins & Bates 19
Hughes Specialty Well Dril. Co.104
Hutchcraft, B. R. 76
Hutther Pros. Saw Mfg. Co. 40
Hittig Mfg. Co. 40
Hydraulic Press Brick Co. 27
Hydraulic Properties Co., The. 20
Hydraman Roofing Co. 34 Acme Equipment & Eng'r'g Co-, dame Knitting Machine & Nee-5 tomac Railroad.
5 Ridaway Dyn'o & Engine Co.
7 Rife Fingine Co.
8 Ridaway Dyn'o & Engine Co.
8 Ridaway Dyn'o & Engine Co.
8 Ridaway Dyn'o & Engine Co.
8 Ridaway Co.
8 Robolina & Myere Co., The
Roberts Filter Mig. Co.
10 Roberts Filter Mig. Co.
11 Robolina & Myere Co., The
Robolina & Co., A. K.
12 Robolina & Co., A. K.
13 Robolina & Co., A. K.
14 Robolina & Co., A. K.
15 Robins Conveying Belt Co.
16 Robolina & Co., Sona Co., John A.
17 Robolina & Co., Sona Co., John A.
18 Rogers. Brown & Co.
18 Rossendale - Reddaway Belting
18 Hose Co.
18 Rossendale - Reddaway Belting
18 Hose Co.
18 Rossendale - Reddaway Belting
28 Rossendale - Reddaway Belting
29 Rosseler MacGovern & Co., Inc.
20 Rosseler MacGovern & Co., Inc.
20 Rosseler Asch.
20 Rosseler Co.
20 Rosseler Rogineering Co.
20 Russell. Rordsall & Ward Bolt
20 Russell. Rordsall & Ward Bolt
20 Russell. Rordsall & Ward Bolt
20 Russell. Rordsall & Ward Bolt Ideal Electric Co. 18
Illinois Central Railroad ... 112, 114
Independent Electric Machine Co.
Independent Pneumatic Tool Co. 10A 21 Riccia Rauria de Central Rauria endent Electric Machine endent Pneumatic Tool endent Pneumatic Tool .116 .110 .18 .3 .15 Independent Programatic Tool
Tool
India alkali Works.
India alkali Works.
India alkali Works.
India alkali Works.
Indianapolis Switch & Frog Oo. 83
Indian Refining Co. 100
Industrial Lumber Co. 100
Industrial Lumber Co. 87
Inland Steel Co. 87
Inland Steel Co. 97
International Crescoting & Cosstruction Co. 100
International Filter Co. Browning Engineering Co., The
Browning Mfg. Co. 91
Bruner Granitoid Co., P. M. 19
Buckeye Iron & Brase Works. 108
Bucyrus Company The. 82
Buffalo Fitts Company. \$
Buffalo Steam Pump Co. \$
Buffalo Steam Pump Co. \$
Buffalo Steam Roller Co. \$
Buffalo Steam Roller Co. 18
Buffalo Steam Roller Co. 18
Buffalo Steam Roller Co. 88
Bulfders' Exchange. Balto, Md. 73
Burgwyn, C. P. K. 18
Burgwyn, C. P. K. 19
Byrswyn, C. 19
By Druid Oak Beiling Uo., (IDC.).
Drum & Co., A. L.
DuBole Iron Works.
Dufur, Baggot & Co.
Dufur & Co.
Dunne, E. J. & W. K.
Dunning, W. D.
DuPont De Nemours Powder
Go., R. I.
Duntley Mfg. Co.
Durets & Son. J. O. H. Galvanizing Co. SU Jacobs & Co., Solon. 99 Jaudon, H. S. 77 Jefferson Powder Co. 101 Jeffrey Mig. Co. 17 Jenkins Bros. 118 C . National Eachange Bank of Baltimore, Md., The. 71
National Freproofing Co. 2
National Freproofing Co. 3
National Hoisting Englise Co. 8
National Hoisting Englise Co. 8
National Lomber & Grossociang Of National Lomber & Grossociang Of National Pipe Bending Co. 7
National Pipe Bending Co. 8
National Tube Co. 7
National Pipe Bending Co. 8
National Pipe Bending Co. 13
National Tube Co. 7
Neb. & Lowa Steel Tank Co. 9
New All Co. 8
N. J. Car Spring & Rub. 0
N. J. Wire Cloth Co. 2
New Work News Shipbuilding & Dry Dock Co. 12
New York Cont. Jewell Fil. Co. 13
New York Cont. Jewell Fil. Co. 14
New York Cont. Jewell Fil. Co. 15
New York Cont. Jewell Fil. Co. 16
Nordy Cont. Jewell Fil. Co. 17
Nordy Cont. Jewell Fil. Co. 17
Nordy Cont. Jewell Fil. Co. 19
Nordon Co. 7
Northern Water Springer Works. 87
Northern Water Softner Co. 19
Nordon Co. 10
Nordon Co. 11
Noveen & Co. 10
Nordon Co. 11
Noveen Farquhar Co., Ltd., A. B.
Farria Frige Co.
Fearing, Z.
Fieldlity, A.
First Nat'l Bank of Key West
First Nat'l Bank of Key Medical Common.
Fisher Hydraulic Stone Mchry
Fish Top Fuel Co.
Fiset-McGinley C Kaystone Steam Well Machine
Ob.

Kilboarne & Jacobe Mfg. Co.
Kilby Frog & Switch Co.
Killian Fire Brick Works.
Kilby Frog & Switch Co.
Killian Fire Brick Works.
Kilby Frog & Switch Co.
Killian Fire Brick Works.
Kilboarne Mfg. Co.
Kilboarne Mfg. Co.
Kilboarne Machine Shop.
Kilboarne Shop.
Koppel Co.
Koppel Co.
Koppel Co.
Koppel Co.
Kilboarne Shop.
Koppel Co.
Kilboarne Shop.
Kilboarne Mfg. Co.
Kilboarn Foster, J. F.
Foster, J. F.
Foster J. F.
Fosteria incandes in Lamp Co.
Frank, M. K.
Franklin Steel Co.
Franka, J. E.
Freese & Co., E. M.
French Oll Mill Machinery Co.,
Fields 1/2. Olicago House w rectinic CO. 19
Oblicago Presumatic Tool CO. 87
Church & Dwight CO. 96
Omeinnati rrog & switch CO. 81
Olark Geo. M. 77
Olark CO. The Geo. P. 79
Olassifica Opportunition 74, 75, 16
Clayton Art Compressor Was. 2
Cleveland Beiting & Mchy. CO. 79
Climax Mrg. CO. 2
Clinton Wire Cloth CO. 2
Clinton Wire Cloth CO. 2
Clinton Wire Cloth CO. 166
Oole Mrg. CO. 8. D. 101
Oolumbia Inclindescent Lamp
CO. The. 3
Columbia Mrg. CO. 3
Columbia Mrg. CO. 3
Columbia Mrg. CO. 3
Columbia Mrg. CO. 76
Columbian Concrete Steel Bar
CO. 76
Columbian Concrete Steel Bar
CO. 100 Gager Lime & Mfg. Oo Gainesville fron Works... Galena-Signal Oil Co... Galt & Son John... Gandy Heiting Co... Gardner & Howe Gas & Edison Light Co... Gas & Edison Light Co... La Belle Iron Works
Lacey & Oo. James D
Lamberton & Reid
Lane Mfg. Oo.
Lawyers' Corporation Trust Co.
Leadite Company, Inc., The....!
Leafiel & Oo., James.
Leffiel & Oo., James.
Leffiel & Oo., James.
Leffiel & Oo., James.
Lebman Chas. T
Levis & Co., Henry
Levy, Deronds.
Lawis & Kitchen.
Lidgerwood Mfg. Oo.
Lieblig & Oo., Wm
Lima Locomotive & Mach. Oo.
Limdatrom's Machine Works,
John T. 31 18 78 Atlanta Utility Works107 Atlanta & West Point R. R. Co. .113 GRODEGRAS & Edison Ligns
Gras & Electric Co.

Gras & Electric Co.

Grachel & Manning.

General Electric Co.

General Fire Extinguisher (O. 115)
General Fire Extinguisher (O. 115)
General Fire Extinguisher (O. 115)
Georgia Bur.of Indus-Almmig. 112
Georgia Bur.of Indus-Almmig. 113
Georgia Marble Co.

Georgia Marble Co.

Georgia Marble Co.

Godinba & Marble Co.

Glibbe Ges Engine Co., The.

Glient. Wm. 5.

Gliobe Foundry Co.

Gliobe Foundry Co.

Grants Foundry Co Atlantic Equipment Co...... 81 Atlantic Hydraulic Mchy. Co.... 104 Page Woven Wire Fence Co.
Panama Tank Co
Panama Tank Co
Park Manufacturing Co.
Parsons Co. G. E.
Partridge, Arthur S.
Patter M. H.
Paulson, Linkroum & Co.
Pence, W. H.
Paulson, Linkroum & Co.
Pence, W. H.
Paulson, Linkroum & Co.
Pence, Linkroum & Co.
Peter & Son, James
Petroleum Iron Works Co.
Plaw, Arthur.
Pfannueller Eng. Co.
Phoe. Brone Smelt. Co.
Pickering Governor Co.
Piedmont Electric Co.
Piedmont Electric Co.
Pitsburg Mchy, & Eng. Co.
Planter's Compress Co.
Planter Products Co.
The Georgia Bur. of Huguesia Georgia Bur. of Huguesia Gar & Locomotive Co. Georgia Marble Co.
Georgia Marble Co.
Gibbe Gas Engles Co., The.
Gibbe Gas Engles Co., The.
Gibben Gas Engles Co., The.
Glenn. Wm. 9.
Georgia G Columbian Concrete Steel Bar
Columbian Fron Works. 107
Columbian Rope Co. 97
Columbian Rope Co. 10
Concrete Steel Co. The. 25
Concrete Steel Engineering Co. 24
Consolidated Cotton Duck Co. 16
Consolidated Cotton Rope Co. 16
Consolidated Cotton Rope Co. 9
Continental Gin Co. 9
Contract, care of Mfrs. Record. 76
Contract, care of Mfrs. Record. 76
Contracts Plant Mig. Co. 91
Contract Care of Mfrs. Record. 76
Contracted Gin Co. 96
Coper Co. C. 6
Coper Co. C. 6
Core Land Co. 9
Corrugated Bar Co. 9
Corey Land Co. 9
Cotton Belt Route. 20, 88, 82
Cotton Belt Route. 20, 88, 82
Cotton Belt Route. 20, 88, 82 Avery Co.... Babcock & Wilcox Co ... 5
Badger & Sons Co., E. B... 6
Balley-Lebby Co... 14
Baker Ice Muchine Co ... 10
Baker, Jr., G. C... 77
Baldwin Equip. & Supply Co... 81
Baidwin Locomotive Works. 85
Ball Engine Co... 6
Baltimore Audit Co... 7
Baltimore Bridge Co... 28
Baltimore Bridge Co... 28
Baltimore Cooperage Co... ‡
Baltimore Cooperage Co... ‡
Baltimore Cooperage Co... 15
Baltimore Electrical Supply Co... 114
Saltimore Retort & Fire Brick
Go... 18
Baltimore Retort & Fire Brick
Go... 18
Baltimore Steam Packet Co... 118 Lima Locomotive & Mach. Oc Lindstrom's Machine Worl John T. Link Belt Co. Liaman & Co., F. J. Lock Joint Pipe Co. Lodge & Shipley Mach. Tool Lombard from Works. Lookout Boller & Mfg. Co. Lorraine Hotel. Louisville Fire Brick Works. Lowell Crayon Co. Lowell Machine Shop. Lucas Pamp Co. Lucas Pamp Co. Lufkin Rule Co., The Lynn-Superior Co., The Standard Faint Co.

Standard Roller Bearing Co.

Standard Roller Searing Co.

Stark Rolling Mill Co.

Stark Rolling Mill Co.

Stark Rolling Mill Co.

Stark Rolling Mill Co.

Stephens Rolling Mill Co.

Steel Protected Concrete Co.

Steel Protected Concrete Co.

Steel Rail Supply Co.

Steel Rail Supply Co.

Steel Rail Supply Co.

Stephens Adamson Mig. Co.

Stephens Adamson Mig. Co.

Stephens Adamson Mig. Co.

Stephens Staper Co.

The Stevens, G. I.

Stevens, Sons & Co., H.

Stilles Bros.

St. Louis Flectrotype Foundry

St. Louis Electrotype Foundry

St. Louis English Works

Stone & Webster Engineering

Stone & Co., L.

Summers & Co., L.

Summ Hadsel Engineering Co. 91
Hale Mixer Co. 16
Halsey & Co. N. W. 16
Halsey & Co. N. W. 16
Harbison-Walker Refractories
Co. 40
Harris Air Pump Co. 16
Harris Air Pump Co. 16
Harris Air Pump Co. 107
Harris Polier Works. 5
Harris Deller Works. 107
Hartsy Boller Works. 107
Hartsy Boller Works. 107
Hartsy Boller Works. 107
Hartsy Boller Co. 107
Hardy Boller Co. 107
Haskell-Dawes Mch. Co. 7be. 107
Hayward Co. 107
Hayward Co. 7be. 107
Hayward Co. 107
Hayward Pittsburg Mchy, & Eng. Co.

Pittsburg rheumatic Co., The.

Planters' Compress Co.

Planter Froducts Oo., The.

Planter Froducts Co., The.

Pitts Iron Works Co., The.

Plymouth Cordage Co.

P. O. Box 717.

Pocahonias Fuel Co.

Foundais Fuel Co.

Power & Mining Mchy. Co.

Power Specialty Co.

Power Specialty Co.

Power Specialty Co.

Power Specialty Co.

Pratt Engineering Machine

Co.

Prect Machinery Co., S. M.

Providence Belting Co.

Providence Belting Co.

Purisan Cordage Mills. Correy Land Co
Corey Land Co
Coeby, Clarence
Cotton Belt Route
Cotton Belt Route
Corawford, O.
Crescort Belt Faste ner Co
Crescort Belt Faste ner Co
Crescort Cory Mackle-Crawford Construction Oo.
Macleary, J. H.
MacRae & Oo. Hugh
Males Co.
Mallory Machinery Co., Inc.
Manning-Hughes Co., Inc.
The
Manning, Maxwell & Moore,
Manning, Maxwell & Moore, Grescont Belt Fastener Oo. 15
Grescont Belt Fastener Oo. 15
Grescont Co. George V. 102
Grescont Co. George V. 102
Grook Theoleer Oo. 115
Gross Co. The. 102
Gross Co. The. 102
Gross Engineering Co. 102
Grucible Steel Casting Go. 2
Gurran Elevator Co. James H. 16
Gutter Mail Obute Oo. 115
Gutter Mail Obute Oo. 115
Gutter Mail Obute Oo. 115 Tail-Nordmeyer Eng. Co.
Tail-Nordmeyer Eng. Co.
Tail Producer Co.
Taplin-Rice Clerkin Co., The.
Taplin-Rice Clerkin Co., Ches.
Taplin-Rice Clerkin Co., Ches.
Tennessee Elow Pipe Ce.
Tenn. Coal. Iron & R. R. Co.
Terry Core Drill Co.
Texas City Transportation Co. It
Texas Co
Thomas Grate Bar Co
Thomas Grate Bar Co
Thompson, Jos. H., Jr
Thorp Fire Proof Door Co.
Titus, E. E.
Toomsy, Inc., Frank. Quiner Show Case Works..... 34 Quinerly, J. P.... 77 Raieigh Iron Works Co... Randie Mchy. Co..... Ransome, Ernest L. Ransome Concrete Mchy. Raymond Bros. Impact P. Raymond Ooncrete Pile O. Raymond Mfg. Co., L4d.

and the same of th	
	Wanted Co
Triam ph	Electric Co. 1 1 1 1 1 1 1 1 1
THUT WA	ron Works Co
framp O	Senerate Steel Co
Tocker &	Laxion 19
Tudor Mo	mmoretal Club
THE CO.	U
	m Works Co., Ths
Union M	ning Co
Union St	eam Pump Co 87
Union Su	offine & Mfg. Co.
United S	ates Cast Iron Pipe & Foundry Co 104
United S	sates Gypenm Co
Catted 8	ates Rail Co 81
U. S. Wo	Portland Cament Co
Universa	Road Machinery On
Upton-Su	noot Construction Co
	· · · · · · ·
Valk & M	rle Gin & Machine Co
Victor M	nufacturing Co 85
Windrala	Bridge 4 Iron Co
Virginia-	Carolina Chemical Co 71
Virginia	Metal Culvert Co T
Vitrified	Wheel Co
Vogt Mac	hine Co., Henry
Voltz Ma	urdoch Iron Works. 9 Ise Gin & Machine Co. 108 nufacturing Co. 188 nufacturing Co. 108 nufacturing Co. 108 Reidge & Iron Co. 29 Carolina Chemical Co. 11 Waterproofing Corp. 20 Waterproofing Corp. 20 Nater Corp. 11 In & Company. 12 In & Company. 34 nufacturing Co. 2 on Works. 85
Voorbeen	Rubber Mfg. Co
A dicgu Ti	W W
Wagner	Electric Manufacturing Co. #
Waldo, W	
Walker &	Supply Co. P 78
Walsh &	Weidner Boiler Co 6
War Depa	rtment
Watson-S	tillman Co
Weather-	Proofing Nail Co
Weir Fro	CO., F.,
Westbroo	Elevator Co
Western Westingh	ones Electric & Manufacturing Co 7
Westingh	Electric Manufacturing CO
West Pul	regula Crecenting Works 97
West Virg	rinia Rail Co 81
Wheeler	Jond. 4 Eng. Co
Wheelock	Engineering Co
Whitin M	achine Works
Whiting !	foundry Equipment Co
Whitlock	Coil Pine Co
Whitman	O. R 78
Wichita I	falls, Texas, Chamber of Commerce 115
Wight &	00. W. N
Williams	Russell Mfg. Co
Williams	Broe 104
Williams	Co., The G. H
Williams	alls, Texas, Chamber of Commerce. 113 20. W. N. Set
Williamed	on Bros. Co
Wilson &	Oo., E. H
Wimbish.	W. A 78
Winterer	The
Wolf Co.,	Fred W 10
Wood & C	o R D 106
Wood Iro	n & Steel Co., Alan 80
Woosley	ons Co., T. B
Worthing	ton. Henry 14
Writerpro	88 Co †
Wyoming	Shovel Works
	Y
Yearsley,	Thomas
York Mar	lge Co
TOLK DATE	M LOCK CO 90
	Selden Co
Toung &	Z
foungeto	
Toungeto	
Zell Moto	
Zell Moto	r Car Co 79

orat.

n A.

o..Inc . The

Co

ee Na

Co.

The . Inc. 107

The ... 11

Co.

THE HOTEL

Opposite South Terminal Station.

BOSTON, MASS.

Rates Moderate, Absolutely Firepr Free Transfer Baggage from and to Sta-

Terminal of Trains from South and West. Also Plaza Hotel, N. Y.

THE HAMMOND HOTELS F. A. HAMMOND, President

LAMBERTON & REID

Manufacturers' Agents

We will represent you before the U.S. Government Departments

opolitan Bank Bldg. WASHINGTON, D. C

A. L. DRUM & CO.

Consulting and Constructing Engineers
OPERATING MANAGERS
Of Steam and Electric Railroads
Gas and Electric Lighting Companies
Irrigation and Hydro-Electric Properties
PHYSICAL AND FINANCIAL REPORTS
American Trust Building CHICAGO

YOU CAN STOP THIS PRESS



wherever you want to at any point of its upward or down-ward movement. It is wonderfully efficient

in baling goods, or when used where great pressure is

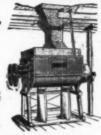
Always Under Control Send for illustrated catalogu

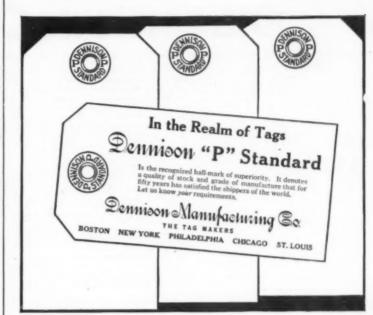
BOOMER & BOSCHERT PRESS CO. 386 W. Water St. SYRACUSE, N. Y.

Broughton DRY MIXER

Hard Plaster Cement Paint, etc.

W. D. DUNNING 96 W. Water St. SYRACUSE.N Y.





"Faultless Sc. vice

from the

'Kewanee' Union."

is the enthusiastic testimony of a superintendent of a large Eastern factory. See page opposite Alphabetical Index, next week.

NATIONAL TUBE COMPANY.

PITTSBURGH. PA.

Dart Patent

UNION

Inserted Bronze Rings



Forming the seats, has received the commenda-ion of the Engineering world, and stands today he embodiment of perfection.

INSERTED PARTS have stood the test fourteen

E.M. Dart Mfg. Co. Providence, R. I.

Agents—The Fairbanks Co.
Baltimore New Orleans
Canadian Factory, Dart Union Co., Ltd., Toronto.

Your Products Exhibited

In the
BUILDERS' EXCHANGE
Baltimore, Md.,
Will give you results in actual business.
Exhibits on ground floor.
Write for information.



FLOUR MILLS RICE MILLS

CORN MILLS BUHR STONE MILLS

We also Manufacture

Machinery for Distilleries

MILL SUPPLIES

A complete stock of Leather and Cotton Belting, Elevator Buckets, Bolting Cloth and Transmission Machinery always on hand. Our excellent shipping facilities enable us to make shipments when you want them.

NORDYKE & MARMON COMPANY

AMERICA'S LEADING MILL BUILDERS

1833 W. MORRIS ST. Established 1851 INDIANAPOLIS, IND., U.S. A.

PENNSYLVANIA RAILROAD



TOUR TO YELLOWSTONE PARK AND THE CANADIAN ROCKIES

In the heart of the Rocky Mountains lies one of nature's richest treasure-houses—the Yellowstone National Park. It is America's greatest show ground. To visit this Park is to see nature in a variety of rare and majestic moods.

The Canadian Rockies, glorious in scenery, displaying new wonders in every mile as one penetrates the great canyons through which the railroad runs, combine the beauty of the Alps and the grandeur of the Himalayas.

On August 15, a personally-conducted tour through the Yellowstone Park; to Portland and Seattle, and returning through the Canadian Rockies, will leave the East by special train over the Pennsylvania Railroad.

Five and one-half days will be spent in the Park, one day in Portland, one day in Seattle, one day on Puget Sound, going by steamer from Seattle to Vancouver, part of a day at Vancouver, one day at Laggan, one day at Banff, and sight-seeing trips will be made in St. Paul and Chicago. The tour will cover a period of twenty-one days.

The rate will cover all necessary expenses.

Persons desiring to utilize this exceptional opportunity to visit the Yellowstone Park and the Canadian Rockies should apply for Pullman space early, as the party will be limited. Address Geo. W. Boyd, General Passenger Agent, Broad Street Station, Philadelphia, Pa.

Classified Opportunities

AGENCIES WANTED

SOUTHERN agencies for building special-ties wanted. Write the Southern Fireproof-ing Supply Co., Inc., Sales Agents for Her-ringbone Steel Lath, 1224 H St. N. W., Wash-lagton, D. C.

AGENTS AND SALESMEN WANTED

AGENTS WANTED to assist in colonizing 900 acres of high, dry, suburban land, now a cultivation; eight miles from New Orleans

SITUATIONS WANTED

SOBER, practical, experienced, scientific usining engineer, understands prospecting, developing, working of gold, copper, iron mines, open for a position. L. Sherard, Mur-phy, N. C.

MANUFACTURERS!—Are you looking for a party to fill the bill? Write us at once. We have what you want. Try us once. Cen-tral Employment Co., Huntington, W. Va.

CONTRACTING MANAGER. — Position wanted by man having 20 years' experience in structural-steel contracting and in fire proof construction work; excellent references Address F. B., 2219 Green St., Philadelphia, Pa

WANTED.—Young man, college graduate, five years' business experience, desires position with some good manufacturing concern chance of promotion more important than salary; can furnish best of references. Address Box 232, Suffolk, Va.

YOUNG BUSINESS MAN, age 34, held following positions in West: Seey, and treas, receiver, seey, and manager Merchants' Assn., auditor, now doing temporary work in Atlanta, desires to locate in South; would take small interest if agreeable; habits and health good; recommendations. Address No. 647, care Manufacturers' Record.

SUPERINTENDENTS WANTED

WANTED-Superintendent, about 30 to 25 years of age, for ornamental and structural fron works: must have initiative and push; state age, experience and salary. Address No. 645, care of Manufacturers' Record.

WANTED—General superintendent; must be high-grade man, competent to take full charge of salesmen, office and general over-sight of business and capable of promoting a new implement enterprise; state experience fully and give references; salary second con-sideration to right party. Address Chas. M. action to right party. Address Chas. M. W. Box 227, Lynchburg, Va.

MAN to take position as bookkeeper for umber company, \$1500; assistant, \$900; also nanager for commissary, \$1200; give age and xperience. American Opportunity Co., Hous-

YOUNG MAN thoroughly experienced in electrical supplies to handle correspondence and do clerical work in a large jobbing house; must be good correspondent and have good English education, with some commercial knowledge. Give references and state salary expected. None but first-class need apply. Address P. O. Box 201, New Orleans, La.

EDUCATIONAL

RENSELAER POLYTECHNIC INSTITUTE, TROY, N. Y.—Courses in Civil, Mechanical and Electrical engineering, and General Science, leading to the degrees of Civil Engineer (C.E.), Mechanical Engineer (M.E.), Electrical Engineer (E.E.), and Bachelor of Science (B.S.). Special courses in engineering and science. Spiendidity equipped new engineering laboratories. Send for catalogues to Registrar.

P. BYRNE, Expert Mineral Engineer.—In-formation furnished about mineral lands; in-vestigations and reports made on the sam-1801½ 2d Avc., P. O. B. 111, Birmingham, Ala.

THE CITIZENS' BANK OF NORFOLK, Va., capital \$300,000, surplus \$375,000, solicits accounts of banks, firms, corporations and individuals.

THE PALMETTO NATIONAL BANK, Columbia, S. C., capital \$250,000, solicits accounts of banks, firms, corporations and individuals either commercial or savings accounts.

COMMERCIAL STATE BANK, Birming-bam, Ala. State depository. Prompt atten-tion to Alabama collections.

BANK OF ENSLEY, Ensley, Ala., capital \$100,000, surplus and profits \$50,000. Individual responsibility more than a million dollars. Collections made promptly.

Rate 20 cents per line per insertion. Minimum space accepted, four lines. Maximum space accepted, 24 lines. Allow seven words per line. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, whiskey or mining stock advertisements accepted. Rate for special contracts covering space used as desired within one year, as follows: 100 lines, 18c. per line; 300 lines 16c. per line; 500 lines or more, 15c. per line.

BUSINESS OPPORTUNITIES

WANTED-Knitting-mill partner who is familiar with details and can invest to open knitting mill: site, money and electric cur-rent now. Write J. E. Kidd, Milledgeville, Ga.

WANTED—To correspond with railroad contractors able to build and operate six miles of road, which investigation will show to be profitable. North Fork Lumber Co., Azalea, N. C.

WANTED-A manufacturer to make and put on the market on royalty the best patent folding umbrella ever invented. Address John Edmondson, Blossburg, Aia., P. O. Box 176.

WANTED — Manufacturers' agents in all sections of the country to send us plans and specifications for estimates on slate and tile roofing, on a liberal commission arrangement. Address Kansas City Slate & Tile Roofing Co., 21st and Forest Ave., Kansas City, Mo.

WOODWORKING PLANT, well located and equipped for furniture making or other in-dustry using wood, is waiting at Spartan-burg for man seeking unusually good oppor-tunity; beat town in South. Address Cham-ber of Commerce, Spartanburg, S. C.

ber of Commerce, Spartanburg, S. C.

OPERATOR WANTED.—First-class operator to cut and deliver 15,000 cords chestnut cord wood per annum for a period of three years; one who can furnish own outfit and men. The standing chestnut is located on tract of 2200 acres in Western North Carolina. This boundary contains practically all chestnut timber, and the estimate showed between fifty and sixty thousand cords available. The hauling is down grade. M. V. Richards, Land and Industrial Agent, Southern Railway Co., Washington, D. C.

FOR RENT-AT LOUISVILLE, KY., the gateway to the South, business location on Fourth avenue, near Walnut street. This is the very heart of the fashionable retail section, near the New Seelbach Hotel, Stewart Dry Goods Co., and many other leading retail houses. For further information write Columbia Trust Co., 4th and Main streets, Louisville, Ky.

WANTED—Partner in established and paying lumber business. None need apply but even of high character, experience and ability to take entire charge of manufacturing nd purchasing department of large firm. ocation, good healthy South Carolina town. Itust have \$10,000 or more to invest in the usiness. Attractive proposition to right nan. Address P. O. Box 328, Lynchburg, Va.

man. Address P. O. Box 328, Lynchburg, Va.
GENERAL DRY GOODS.—In one of the
best county site towns in Texas we have for
sale, on account of the health of proprietor,
one of the leading stores of the town. Stock
is as clean as can be found anywhere. The
business is in excellent shape, has splendid
trade, owes nothing. This offers an exceptional opportunity for a live merchant to
step into a paying business in one of the best
locations in Texas, with unusually fine prospects for future growth. Investment required, about \$30,000. Might consider some
in trade. Address for particulars, J. N. Winters & Co., Fort Worth, Texas.

NEWSPAPER PLANT FOR SALE

FOR SALE—Newspaper plant in a town of 190 population, 13 years old, doing good usiness. Owner wishes to retire. Spencer . Rogers, Onancock, Va.

LOCATION for foundry and machine shop and manufacturing plant wanted in good town where same is needed; prefer to locate in North Carolina, Tennessee, Kentucky or Virginia. Address No. 646, care Manufac-turers' Record.

GEORGIA'S FIVE MILLION DOLLAR-CROP COUNTY.—If you are thinking of changing your location to the South, investigate Sumter county, the heart of Georgia's richest agricultural section; crops 1909 aggregating \$5,000,000 in value; cotton, corn, oats, hay, fruits, vegetables, tobacco; finest lands in Georgia at \$10 to \$30 an acre. If interested, send for pamphlet and further information to Thos. Gamble, Jr., Sec. Board of Trade, Americus, Ga.

HOTEL WANTED

AUSTIN, TEXAS, has the best location for a fine summer and winter resort hotel in the South. This is a much-needed improvement to Austin, and it is one that will be a payer from the start. Beautiful scenery, fishing, rowing, boating, and the finest drives in the country. Full particulars will be furnished on application to Will L. Vining, Secretary Austin Business League, Austin, Tex.

NEW ECHANGE HOTEL, block of Union depot and postoffice, Waco, Texas; remodeled and refurnished; every provision for guests' comfort; best service. A. D. Adams, Prop'r.

INDUSTRIES WANTED

HOSIERY MILL

HOSIERY MILL

A FREE SITE and the assistance of local capital if necessary are offered at Lynchburg, Va., for the location of a hosiery mill. Located at the logical distributing point of a territory of 27,000,000 consumers, Lynchburg has advantages anyone looking for a desirable location for an industry of this character would do well to consider. It has plenty of cheap white labor, the average weekly wage being \$10. Hydro-electric-power can be had at from one to four cents per K. W. per hour, with low freight rates, having three trunk lines and a direct connection with a fourth. Sanitary facilities and climate are excellent, this region being noted for its famous health resorts. Lynchburg markets goods amounting to more than a million per annum per thousand of population, and, notwithstanding its wonderful growth, is only at the threshold of a wonderful development. Complete information turnished by Chamber of Commerce, Lynchburg, Va. Send for booklet describing city's industrial growth.

ITASCA, situated in the heart of the great black land belt of Texas, wants a garment factory; growing town, with factories and schools. Address Board of Trade, Itasca, Texas.

KNITTING MILL

KNITTING Mall KNITTING Mall KNITTING-MILL LOCATION.—The people of a good North Carolina town where the conditions are favorable want a knitting mill. They will take stock in a proposition which will stand careful inspection. Refer of the No. 25,817. M. V. Richards, Land and Industrial Agent, Southern Railway, 1375 Pennsylvania avenue, Washington, D. C.

CANNING FACTORY

WHY DON'T YOU manufacture shipping cans in Houston, Texas? Great opportunity; large quantities shipped in for local consumption; one piant alone consumes 100 carloads annually; other consumers are six coffee-roasting plants, two wholesale preserving plants and two wholesale drug houses; truck and fruit growers also large consumers. The right time to get in is now. Write for information to Adolph Boldt, Secretary Houston Business League, Houston, Texas.

WOODWORKING PLANT

BAY CITY, TEXAS, wants a woodworking plant located there; has unlimited supply of good cottonwood and willow for excelsior, etc.; of fine ash for agricultural handles and for wagons and implements of all kinds, and the best of elm for barrel boops; has three trunk lines of railway, good churches and schools, and is the center of the rice industry of Texas. If interested, address Ten Thousand Club, Bay City, Texas.

BARREL, BOX AND CRATE FACTORY

SANFORD, FLORIDA, wants a barrel, box and crate factory; plenty timber available; all fruit and vegetables now shipped hero from other places. Write C. O. McLaughlin, Room No. 2, People's Bank Bidg., Sanford, Fla.

FURNITURE FACTORIES

FURNITURE FACTORY.—Free site and liberal stock subscriptions for location of furniture factory of any kind. Abundance of raw material and unexcelled transportation facilities. Address Chas. R. Rowe, Secretary Lufkin Progressive League, Lufkin, Texas.

GLASS FACTORY

ATLANTA. TEXAS, WANTS A GLASS FACTORY.—We have an unlimited quantity of glass sand that analyzes over 99 per cent. silica; natural gas in any quantity at satisfactory price; salt and lime manufactured close by; plenty of timber and water and other material; free site, free sand 20 years, exemption from city taxation 10 years, free artesian water to the first factory; transportation and rates all right. Write for full particulars on this and other factory propositions. Great opportunities. Cass County Industrial League, Atlanta, Texas.

DRUGS AND DRY GOODS

FINE OPENING for wholesale drug business, also wholesale dry goods business; three-fourths of a million people within radius of 100 miles, in a territory only one-fifth developed, but being developed rapidly; first-class shipping facilities; best quality of water, cheap fuel and high-grade citizenship. Address Abilene 25,000 Club, Box No. 537, Abilene, Texas.

MISCELLANEOUS

A GOOD LOCATION for a hosiery mill overall factory, from foundry and similar enterprises; ample railrond facilities; in-ducements offered to the right parties. Pur information address the Stamford Commer-cial Club, Homer D. Wade, Secretary, Stam-ford, Texas.

QUANAH wants a cotton mill, meat-packing plant, shoe factory; large amount of
stock ready to be taken or bonus given for
any of these enterprises; four railroads; immessed distributing territory; city growing
to per cent, annually. Chamber of Commerce, Quanah, Tex.

FREE SITES and concessions on taxes, water and fuel given to factories to locate in McAlester, Oklahoma, the manufacturing city of the Southwest; cotton, fire clay, brick shales, iron, limestone, lumber and many other raw materials. Ask the Commercial Club, McAlester, Oklahoma.

SNOW HILL, MD., wants factories and canneries; cheap labor; no unions; no strikes; rich farming country; cheap raw materia; railroad and water facilities; beautifu, healthy town; living expenses low; factories locating here always prosper. Address Dr. John L. Riley, Secy. Board of Trade.

VICTORIA, TEXAS, head of navigation of Guadalupe River; center of cotton, corn. truck and citrus fruit growing district of South Texas; country rapidly developing; opportunities for many industries. If interested in the coastal section of Texas, write for booklet "D" to the Secretary of the Progressive League.

"TAMPA IS THE TOWN TO TIE TO."—Gateway to Gulf; nearest important American port to Panama canai; doubling population every four years; 100 per cent. city of South; big opportunities for investor, manafacturer, homeseeker; tourists" paradia. For literature address W. B. Powell, Secretary Board of Trade, Tampa, Fia.

MANUFACTURERS' OPPORTUNITY.—
Free sites; no taxes; cheap natural gas;
cheap coal; abundant water supply; best
transportation; good town; opportunities
for manufacture of furniture, woodenware
and novelties, glass, tile and pottery, overalls, iron and steel products, carriages, etc.
Write Board of Trade, Grafton, W. Va.

HOUSTON NEEDS a flour mill; free site on the great Houston Ship Channel; also free site for a hardwood manufacturing plant; unlimited raw material at hand; water transportation and seventeen rail lines, and the distributing center for the entire Southwest. Write Adolph Boldt, Secretary Houston Business League, Houston, Texas.

CLINTON, OKLA., wants packing plants, cotton mills, wholesale and jobbing houses of all kinds, manufacturing plants, other plants, ement plant, sash and door factory, overall factory. Clinton, Okla., offers you first-class shipping facilities; freight rates that will compete with any town in the Middle States territory; best undeveloped jobbing territory in the U. S. today; sever rallroad outlets; exemption from municipal taxes, etc. Write Secretary Commercial League.

QUANAH—QUALITY.—City wants wholesale and manufacturing houses. Now have four wholesalers. Jobbers of drugs, dry goods, hardware, badly needed. Has the largest undeveloped trade territory of any city of less than 15,000 people in America. If you are looking for a jobbing center, carryour eyes on Quanah. Also want all kinds manufacturing industries. Three railroads, fourth under construction. Porter A. Whaley, Secretary, Quanah, Texas.

WANTED—AT MENA, ARKANSAS, a growing city of 7000 people, a manager for a creamery to be installed by local capital; a brick-manufacturing plant, abundant raw material and fuel; a furniture factory; a handle factory; a box and fruit-package factory. The vicinity of Mena is exceptionally rich in fine hardwoods suitable for furniture and wagon stock and woodenware manufactures of every kind. Correspondence solicited. Address G. B. Wood, Gen. Agt. E. C. S. Ry., Mena, Arkansas.

WANTED—Industries of all kinds to locate at Corey, the new model industrial city being built near Birmingham for the employes of the United States Steel Corporation. Water, electric current, coal, railroad facilities all convenient. Bailroad frontage at very ressonable prices. Corey has a great future, equal almost to that of Gary, Indiana, and small industries locating there now will have every opportunity for expansion. United States Steel Corporation spending \$11,250,000 at and near Corey. \$1,500,000 to improve Corey being spent. Corey Land Co., 2004 Third Ave., Birmingham, Ala.

MANUFACTURING SITES FREE in the progressive State of Oklahoma, in the town of Arkoma, adjoining Fort Smith, and connected by an electric railway. Water rates free. Shale, natural gas, brick material and pure water. 280 feet higher than Fort Smith Manufacturers' paradise in the way of cheap materials. Water and railway transportation. Rich bottom lands of 2000 acres; could be cut up in 20, 30 and 40-acre farms for trucking. In center of the great coal beds of Arkansas and Okiahoma. Within a radius of 250 miles of 22 per cent. of the standing hardwoods of the United States. Town lots for sale. For further laformation write Hopkins & Murray, 800-803 First National Bank Building, Fort Smith, Arkansas.

meat-packamount of servery, Stam
con taxes, servery for controads; imtry growing of Com
ton taxes, servery for controads; imtry growing of Com
ton taxes, servery for controads; imtry growing of Com
troads; imtroads imtry growing of Com
troads; imtroads imtroad